

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



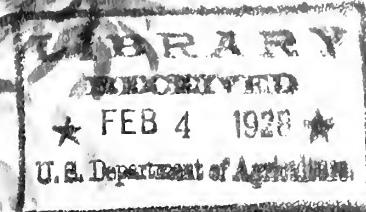
62.43

# Gould's

## Seed Annual

•1928•

Our  
30th  
Year



ASTERS

Hazel Brewer Wilson

R.L.Gould & Company  
RETAIL STORE - 496-502 JACKSON ST.  
Saint Paul, Minnesota

# 30 Years of Progress



Our Main Building and Retail Store—1928



Thirty Years Ago—1898

## Anniversary Specials

These splendid collections of unusual values are offered as a special Anniversary event. All packets of seed are standard, full size, from regular stock, and of the most popular varieties. They are sure to please you. We cannot substitute any other variety in these collections, so please do not ask us to do this.

---

### No. 1      Special Anniversary Vegetable Seed Collection

BEANS, Reliable Kidney Wax	CUCUMBER, Davis Perfect	RADISH, Early Scarlet Globe
BEETS, Detroit Dark Red	LETTUCE, Black Seeded Simpson	RADISH, White Icicle
CARROTS, Chantenay	PARSLEY, Dark Moss Curled	SWISS CHARD, Giant Lucullus
CORN, Bardens Wonder Bantam	PARNIP, Sweet Marrow	TOMATO, Gould's Early Standard

---

### No. 2      Special Anniversary Flower Seed Collection

ALYSSUM	CALENDULA	CANDYTUFT	LARKSPUR
BACHELOR'S BUTTON	CALIFORNIA POPPY	CLARKIA	MARIGOLD
BALSAM	CALLIOPSIS	COSMOS	MIGNONETTE

---

### No. 3      Special Anniversary Complete Home Garden Collection

25 Packets of Vegetable and Flower Seed \$1.00—Postpaid			
1 Packet each of the following Vegetable Seeds.			
BEANS, Reliable Kidney Wax	CUCUMBER, Davis Perfect	PARNIP, Hollow Crown	
BEETS, Detroit Dark Red	LETTUCE, Black Seeded Simpson	RADISH, Early Scarlet Globe	
CARROTS, Chantenay	LETTUCE, Head, Big Boston	SWISS CHARD, Giant Lucullus	
CORN, Country Gentlemen	ONION, Yellow Globe	TOMATO, Gould's Early Standard	
CORN, Golden Bantam	PARSLEY, Moss Curled	TURNIP, Purple Top White Globe	
1 Packet each of the following Flower Seeds			
BACHELOR'S BUTTON	CANDYTUFT	LARKSPUR	SCABIOSA
CALENDULA	COSMOS	MARIGOLD	ZINNIAS

---

#### EARLY BUYERS

#### SPECIAL DISCOUNT OFFER TO MARKET GARDENERS AND FLORISTS

To encourage early buying, we will allow a 5% cash discount on all Garden and Flower Seeds purchased and paid for by March 1st, 1928. This special offer positively expires March 1st, 1928.

# 1898—Our 30th Anniversary—1928

IN NO other year does it seem that we have made such noticeable progress in our seed business, as we have in the year just ended. New scientific methods in the treatment of seeds against seed-borne diseases, and other protective measures to insure you even greater enjoyment and returns from our reliable Seeds, make us especially optimistic for the coming season. We can assure our old and new customers that our trained and experienced staff has left nothing undone to maintain the quality reputation of our Reliable Seed and other products.

Our organization has been increased during the past year by the addition of Prof. Basil L. Burrell, formerly with the Horticultural Department of the University of Minnesota. He and other members of our concern are at your service in giving advice on any subject pertaining to farm plantings, gardening, or poultry raising. If you have any questions on the cultural requirements, disease or insect control, etc., we invite you to write or call for information.

In celebration of our 30th year in the seed business, we are offering you many attractive specials in our catalog. All packets are from regular stock, full size, and as so many know, seed grown in the best seed-growing climate in the world; some in foreign countries, but the greater part in the United States.

Space in our catalog makes it necessary to be brief in the description of each item, but we are glad to give additional information if wanted. We carry many items too numerous to list in our catalog, such as farm and garden implements, lawn

mowers, etc. Also a large line of poultry equipment some of which is listed in this Seed Annual, in rear of book.

Quality is a much abused word, but superior quality and service has been our constant aim for thirty years, and the reason of our steady growth. We are always making a sincere and honest effort to get the very best, and I am sure you will find our prices listed in this book most reasonable, when the quality of our seed and other products is given due consideration. We offer you good, pure-bred, dependable seed; not inferior or uncertain kinds.



**ROBERT L. GOULD**, President and founder of R. L. Gould & Co.

Cordially yours,

*Robert L. Gould*

President, R. L. Gould & Company.

**Order Early** It has always been our policy to fill orders the day that they are received, but on account of the uncertainty of weather conditions, it is advisable to anticipate your needs early and purchase your supply while our stocks are complete. You are then prepared to take advantage of the arrival of suitable weather for planting at any time. The heavy spring demand for seeds and other goods, also tends to slow up the transportation service somewhat. There is also the danger of running out of some varieties, in the latter part of the season. **So order early.**

**When Ordering** Fill out your order on one of Gould's order blanks whenever possible. Be sure to write your name and address plainly. State how you wish goods sent. We recommend the sending of larger packages by Express, or Freight, but packages under 40 lbs. can be forwarded by Parcel Post at a considerable saving, as a rule. **Parcel Post Rates are given on this page.**

**By Parcel Post** Parcel Post service and rates are so satisfactory that small packages to nearby points are best sent in that manner. Seeds or other goods ordered by Parcel Post must have amount included in the remittance for postage charges, excepting on packet seeds or where otherwise stated postage prepaid in our catalog. Packages will be insured if desired at the regular parcel post rate. In case you send more money than is required either for seeds or for postage, refund will be made promptly.

Please send money with order, for it is only by **Terms** adopting a cash-with-order-policy that we are able to sell goods on a very small margin of profit. Goods will be sent C. O. D. provided order is accompanied with a reasonable partial payment.

**How to Send Money** The better way to send money is by Post Office or Express Money Order, Bank Draft, or money in registered letter. When the amount of the order is less than \$1.00, **please send stamps or money-order.**

All prices quoted are subject to change without notice. Prices on field, and grass seed, fluctuate so greatly during the season that no values are printed in this catalog. At frequent intervals during the season, we issue special price lists which will be mailed to anyone on request, giving latest market quotations on the above mentioned seeds. In the Spring we issue a special catalog supplement on shrubs, bulbs, fruit trees, berry bushes, plants, etc., containing prices of many hundreds of well known hardy varieties. A special Fall list is also issued about the middle of September, giving prices on a large list of selected and imported Dutch and French bulbs, also Peonies for Autumn planting. Please drop us a card if you do not receive a copy.

**Garden and Flower Seeds** Unless otherwise noted, all Garden and Flower Seeds are sent prepaid by us, excepting pound lots or more of Peas, Beans and Sweet Corn, which will be sent

by Parcel Post if postage is added at the Parcel Post rates given on this page. On Peas, Beans and Corn in pound lots or more mailed to Canada, add 14c per pound to cover postage.

**Grass and Field Seeds** Onion Sets, or Potatoes are shipped at purchaser's expense, by Express or Freight, as ordered. Prices quoted in this catalog, or on special price lists, are F. O. B. St. Paul. Small quantities of Field Seeds will be sent by Parcel Post if sufficient amount is added to the remittance.

As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, R. L. Gould & Company therefore give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs that they send out, and they will not be in any way responsible for the crop; and every order for articles named in this catalog will be executed on these conditions only. If the purchaser does not accept same on these terms, they are to be at once returned.

## PARCEL POST RATES FROM ST. PAUL

All seeds, plants, bulbs and roots take the pound rate on packages weighing over eight ounces. On eight ounces or less, the rate is one cent for each two ounces, regardless of distance.

All goods except seeds, bulbs, roots and plants take pound rates on packages weighing over eight ounces. On eight ounces or less, rate is 1½ cents per two ounces for any distance.

Miles from	St. Paul 50M	150M	300M	600M	1,000M	1,400M
Lbs.	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1	\$0.07	\$0.07	\$0.08	\$0.09	\$0.10	\$0.11
2	.08	.08	.10	.13	.16	.19
3	.09	.09	.12	.17	.22	.27
4	.10	.10	.14	.21	.28	.35
5	.11	.11	.16	.25	.34	.43
6	.12	.12	.18	.29	.40	.51
7	.13	.13	.20	.33	.46	.59
8	.14	.14	.22	.37	.52	.67
9	.15	.15	.24	.41	.58	.75
10	.16	.16	.26	.45	.64	.83
11	.17	.17	.28	.49	.70	.91
12	.18	.18	.30	.53	.76	.99
13	.19	.19	.32	.57	.82	1.07
14	.20	.20	.34	.61	.88	1.15
15	.21	.21	.36	.65	.94	1.23
16	.22	.22	.38	.69	1.00	1.31
17	.23	.23	.40	.73	1.06	1.39
18	.24	.24	.42	.77	1.12	1.47
19	.25	.25	.44	.81	1.18	1.55
20	.26	.26	.46	.85	1.24	1.63

For each additional pound, add 1c in the 1st and 2nd zones; 2c in the 3rd zone; 4c in the 4th zone; 6c in the 5th zone; 8c in the 6th zone.

Weight limit is 70 lbs. in zones 1, 2, 3. Beyond, it is 50 lbs.



## ASPARAGUS ROOTS

The easiest way to obtain an asparagus bed is to set out the roots. By using good strong year-old or two-year-old roots fairly good results are obtained the second year, but they should not be cut any later than June 20th until the 3rd or 4th year.

In preparing the bed for asparagus roots the soil should be worked up at least 12 inches deep and a very heavy application of well rotted barnyard manure should be given. Make furrows ten inches deep and spread roots 18 inches apart in row and cover with two inches of soil gradually filling as shoots appear until surface is level.

**Doz. 100 1,000**  
MARY WASHINGTON RUST-RESISTANT ..... \$0.35 \$2.00 \$15.00

Postage Extra: 10c, per doz. We will refund if amount sent is more than enough to cover mailing and packing.



## ASPARAGUS SEED

**CULTURE.** To start an asparagus bed from seed, sow 1 oz. to 50 feet of row early in the spring and transplant to permanent bed the following spring.

### Palmetto★

The standard variety for market gardeners. Will stand shipping better than any other. Plants are vigorous in growth, producing large, thick, dark green shoots with a distinctly pointed tip.

### Mary Washington★

The best of the new rust resistant varieties produced by the U. S. Department of Agriculture. A very vigorous grower, producing large succulent stalks of excellent quality. State Agricultural Colleges throughout the country recommend the Mary Washington as the best variety for the home or market gardener. Shoots color to a dark green with purple shades at tip.

## PRICE LIST OF ASPARAGUS

Variety	Pkt.	Oz.	1/4 lb.	1 lb.
Mary Washington.....	.10	.25	.75	2.50
Palmetto .....	.05	.15	.40	1.25
Columbian Mammoth White.....	.05	.15	.40	1.25
French Giant Argenteuil.....	.05	.15	.40	1.25

### MARKET GARDENERS

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

## GOULD'S PLANTING CHART

FOR THE SMALL  
VEGETABLE GARDEN

**NOTE**—\*Denotes the quantity of seed that should raise sufficient plants to transplant into a row 100 feet long. The seed should be sown in hot-bed from February to March, and later sown in a cold frame, or sow the seed in a well prepared seed bed in the open when danger from frost has passed.

Variety	Seed required for 100 ft. row	Plant Rows apart	Plants apart in rows	Time of planting in open ground	Matures in about
Asparagus, Seed.....	2 oz.	1 to 2 ft.	3 to 5 in.	Early spring	3 to 4 yrs.
Asparagus Plants.....	60 plants	30 to 36 in.	18 in.	Early spring	1 to 3 yrs.
Beans, Bush.....	1 lb.	15 to 24 in.	2 to 3 in.	April to July	40 to 65 days
Beans, Pole.....	½ lb.	3 to 4 ft.	3 to 4 ft.	May and June	50 to 80 days
Beets.....	2 oz.	12 to 16 in.	3 to 4 in.	April to Aug.	60 to 80 days
*Brussels Sprouts.....	1 pkt.	24 to 30 in.	16 to 24 in.	May and June	90 to 120 days
*Cabbage, Early.....	1 pkt.	24 to 30 in.	12 to 18 in.	March and Apr.	90 to 130 days
*Cabbage, Late.....	1 pkt.	24 to 36 in.	16 to 24 in.	May and June	90 to 130 days
Carrot.....	½ oz.	12 to 15 in.	3 to 4 in.	April to June	75 to 110 days
*Cauliflower.....	1 pkt.	24 to 30 in.	24 to 30 in.	April to June	100 to 130 days
*Celery.....	1 pkt.	14 to 24 in.	2½ to 3 in.	May and June	100 to 150 days
Corn, Sweet.....	¼ lb.	30 to 36 in.	6 in.	May and June	120 to 150 days
Cucumber.....	1 pkt.	4 to 6 ft.	4 to 6 ft.	May to July	60 to 100 days
*Eggplant.....	1 pkt.	24 to 36 in.	24 to 30 in.	April and May	60 to 80 days
Endive.....	½ oz.	18 in.	8 to 12 in.	April to July	100 to 140 days
*Kale, or Borecole.....	1 pkt.	18 to 24 in.	18 to 24 in.	August	90 to 120 days
*Kohl Rabi.....	1 pkt.	15 to 24 in.	6 to 8 in.	March to May	60 to 80 days
Leek.....	½ oz.	12 to 16 in.	4 to 8 in.	March to May	120 to 180 days
Lettuce.....	1 pkt.	10 to 15 in.	6 in.	March to Sept.	60 to 90 days
Melon, Musk.....	1 oz.	6 to 8 ft.	Hills, 6 ft.	April to June	120 days
Melon, Water.....	1 oz.	8 ft.	Hills, 6 ft.	May and June	100 to 120 days
Mustard.....	1 pkt.	12 in.	3 in.	March to May	60 to 90 days
New Zealand Spinach.....	1 oz.	24 to 36 in.	12 to 18 in.	Early spring	60 to 100 days
Okra, or Gumbo.....	2 ozs.	3 to 4 ft.	24 to 30 in.	May and June	90 to 140 days
Onion Seed.....	½ oz.	12 to 18 in.	1½ in.	April and May	130 to 150 days
Onion Sets.....	2 qts.	12 in.	1½ to 2 in.	Feb. to May	30 to 60 days
Parsley.....	1 pkt.	12 to 14 in.	6 in.	Early spring	90 to 120 days
Parsnip.....	½ oz.	18 in.	3 in.	April and May	160 days
Peas.....	1 lb.	15 to 18 in.	2 in.	March to June	50 to 80 days
*Pepper.....	1 pkt.	24 to 36 in.	15 in.	May and June	100 to 140 days
Potato, Irish.....	½ peck	24 to 36 in.	15 in.	March to June	80 to 140 days
Pumpkin.....	1 pkt.	8 to 10 ft.	Hills, 8 ft.	May to July	100 to 140 days
Radish.....	1 oz.	6 to 12 in.	2 in.	March to Sept.	20 to 40 days
Rhubarb Plants.....	33 plants	3 to 5 ft.	3 ft.	Early spring	1 to 3 years
Rutabaga.....	1 pkt.	18 to 24 in.	6 to 8 in.	May and June	60 to 80 days
Salsify.....	1 oz.	18 to 24 in.	4 in.	Early spring	120 to 180 days
Spinach.....	1 oz.	12 to 18 in.	4 in.	Early spring	30 to 60 days
Squash, Bush.....	1 pkt.	3 to 4 ft.	Hills, 3 to 4 ft.	April to June	60 to 80 days
Squash, Late.....	1 pkt.	7 ft.	Hills, 7 ft.	April to June	120 to 160 days
Swiss Chard.....	1 oz.	16 in.	12 in.	April	60 days
*Tomato.....	1 pkt.	3 to 4 ft.	18 in.	May and June	100 to 140 days
Turnip.....	1 pkt.	18 in.	3 in.	April to July	60 to 80 days
Witloof Chicory, or French Endive.....	½ oz.	12 to 15 in.	3 to 4 in.	April and May	Fall and Winter



# BEANS

**CULTURE.** To obtain a continuous supply of beans throughout the season, make plantings every two weeks from about May 10th to July 1st. Beans should be planted in rows 15 to 18 inches apart, thinning in the row to 3 or 4 inches apart. Do not cultivate or pick beans when plants are moist from dew or rain as this causes the spread of rust or Anthracnose, thereby curtailing the production. Plant about 1 to 2 inches deep depending upon the condition of the soil.

## DWARF WAX VARIETIES

### Gould's Reliable Black Wax

Is an improved strain of Currie's. It is stringless, hardy and rust-resistant. The pods are long, flat and wide but thicker than Currie's.

### Gould's Reliable Kidney Wax

An excellent early round podded variety for the home garden and canning. It is very tender and absolutely stringless. The seed is white kidney-shaped with a brownish black eye. The vines yield abundantly.

### Currie's Rust Proof Black Wax\*

Very early and a good yielder. The pods are large, flat and straight, free from rust and of excellent quality. A very popular variety among market gardeners because of its hardiness and attractive appearance.

### Davis Kidney Wax\*

A most hardy and productive wax bean. The bean is pure white, of kidney shape, producing a large, flat straight pod of fine appearance.

### Pencil Pod Black Wax\*

One of the better round podded varieties; very early and prolific, stringless and of excellent quality. A very popular bean among both home and market gardeners.

### Improved Golden Wax

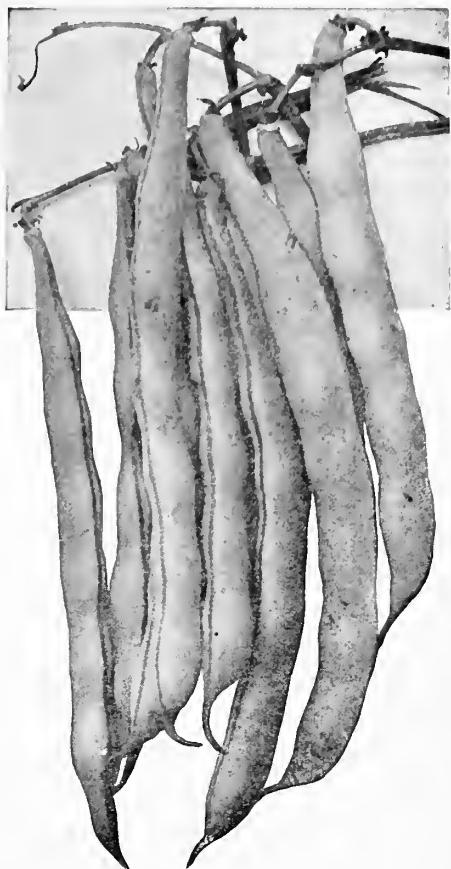
A well known standard variety. Bears an abundance of large flat pods slightly curved. The seed is mottled brown and white, rust-resisting to a marked degree and one of the earliest to mature.

### Wardwell's Kidney Wax\*

A popular variety for market gardeners. Produces long flat pods which are very attractive and of good quality. Matures a little later than the Golden Wax.

### Unrivalled, or Everbearing Wax\*

A great favorite with the market gardeners producing an abundance of very attractive golden semi-round pods. It is as early as the Davis or Wardwells and will continue to bear for many weeks. A wonderful bean of fine flavor. Our supply is still very limited.



Gould's Reliable Black Wax Beans



### Hodson Wax\*

An extremely vigorous, hardy, and productive variety, though rather late. It is noted for its very large semi-round, gently curved wax pods which are generally 6 to 6½ inches long. It holds up well and is a great favorite for late marketing.

## DWARF GREEN PODDED VARIETIES

### Bountiful\*

This is one of the very earliest of the green podded beans. The pods are large, flat and slightly curved, of a light green color and stringless. Is very hardy and continues to bear for several weeks.

### Stringless Green Pod\*

The finest green pod, stringless bean. The earliest and hardest of all green-podded sorts and produces large, handsome pods, some of which measure fully six inches in length. The plants are very productive, bearing profusely the beautiful green pods, which are perfectly round, straight, broad, tender, brittle, finest flavor, very fleshy and entirely stringless.

### Full Measure\*

A very fine round stringless green podded bean. The pods are long and straight, showing depressions around the beans, which are round and tender. Yields abundantly. We recommend it for home or market garden.

### Dwarf Horticultural

Very productive and compact in growth. Pods broad, thick, curved and splashed with red. Is very fine for early shell bean. Seed is large, oval, and plump, splashed with red. Matures early.

### Early Red Valentine

Pods are nearly round, of medium length, very fleshy, crisp, and tender. A very superior snap variety for both the home and market gardener.

### Refugee or 1000 to 1\*

A very productive, hardy, late variety. Pods are long, semi-round and slender, very much in demand for late pickling.

### Longfellow\*

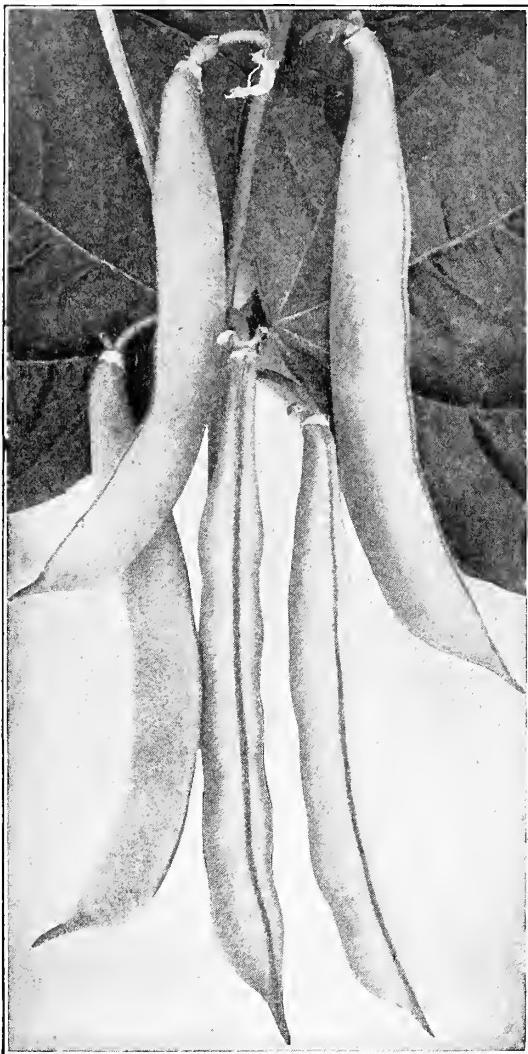
An early round long slender green pod, very tender and brittle when not too old. Very desirable for canning, having no strings when broken.

### Black Valentine\*

Pods are long, nearly round and straight, very attractive in appearance and of good quality. Vines are very hardy and vigorous, producing an excellent bean for shipping.

### Giant Stringless Green Pod\*

An excellent variety to follow Stringless Green Pod, being later and larger. Plants are strong, pods round, meaty and brittle.



Stringless Green Pod Beans. See page 3

**PRICES**

All prices on Beans are given on next page.

**DWARF OR BUSH LIMA BEANS****Burpee's Bush Lima\***

Plants are large and hardy, spreading occasional runners. It is medium early, producing pods 4 to  $4\frac{1}{2}$  inches long, containing 3 to 4 large, flat white beans.

**Burpee's Improved Bush Lima\***

This is by far the most popular of the Bush Lima type. The bushes grow from 18 to 24 inches high of stout, erect growth, forming bushes of two to three feet in diameter. The pods are frequently borne in clusters of five to eight each containing four or five large, thick, white beans.

**Henderson's Bush**

A vigorous hardy, very early and small type of Bush Lima. The beans are small, white and of very good quality.

**Fordhook Bush\***

A most excellent variety that is exceedingly popular with market gardeners. The pods are about 5 inches long, each having 4 or 5 large, oval-shaped thick, white beans of fine quality.

**POLE BEANS**

**CULTURE.** Beans being very tender and delicate when coming out of the ground and also very quick in making their appearance after being planted, care should be taken not to plant while there is still danger of frost. May 10th to 25th is, as a rule, the best time for bean planting.

Pole Beans require better soil than the dwarf varieties owing to the longer period required to produce the stocks and pods. Plant 6 seeds in a hill two inches deep and three feet apart each way.

**King of the Garden Pole Lima★**

The vines are very vigorous and prolific. Pods are of large size filled with 4 or 5 large white beans of very fine quality. The beans are easily shelled and of handsome appearance. A popular market garden variety.

**Lazy Wife**

So named on account of the large number of pods, making it easy to obtain a mess. One of the best varieties for snaps of the large late green-podded pole beans. The pods grow in large clusters, are 5 to 7 inches long, broad, thick, fleshy and stringless. They have a rich buttery flavor. The dry bean, which is white, is also fine for winter use.

**Kentucky Wonder or Old Homestead**

This climbing variety is very vigorous and productive and bears its pods in large clusters. The pods are green and almost round, often measuring 8 to 10 inches long. They are stringless, very tender and will bear all summer.

**Kentucky Wonder Wax**

Very similar to the green podded Kentucky Wonder, but the pods are a little broader. They are fleshy and stringless and are of excellent quality. The pods are very long and light yellow.

**Scarlet Runner**

A bean that is edible as well as ornamental. It is a fine climber, quick growing, and has large beautiful leaves and bright scarlet blossoms.

**Horticultural Pole or Cranberry**

Is a very fine bean with a long straight pod that is quite flat and stringless. The color is dark green, splashed with red. The bean, which makes a beautiful shell bean is cream color with maroon spots.



Burpee's Bush Lima Beans

Beans are postpaid only in packets and  $\frac{1}{4}$  pound lots.



## FIELD BEANS

**CULTURE.** Early plowing, at least five weeks before planting time, is necessary for good results with Field Beans. After this the land should be cultivated frequently to bring it into the best possible condition.

Beans thrive on most all soils, but better results are gained by the liberal use of fertilizer or planting in light, rich, well drained loam. Beans are extremely sensitive to frost and moisture.

## M. A. C. Robust

A new navy bean of exceptional merits. It is recommended as the most uniform in size and the most productive navy bean ever introduced.

## Choice Navy

The old standard white navy bean hand picked selected stock.

## Brown or Swedish

This is a fine field bean of a light brownish color and medium size. Very fine for baking.

## Boston Yellow Eye

The Boston Yellow Eye is a great favorite as a shell bean or dry bean. It is of the Navy Bean type, but has a little distinctive flavor which the ordinary Navy Bean has not. It is a good yielder and the beans have a very fine appearance.

## PRICE LIST OF FIELD BEANS

	1/4 lb.	1 lb.	10 lb.
M. A. C. Robust.....	\$0.10	\$0.20	\$1.50
Choice Navy.....	.10	.20	1.50
Brown or Swedish.....	.10	.20	1.50
Boston Yellow Eye.....	.10	.25	2.00

## BEETS

**CULTURE.** Any well prepared light garden soil will produce good beets, although a rich, sandy loam brings the best results. Sow the seed about 1 inch deep in rows 15 to 24 inches apart. When plants are about 6 inches high they should be thinned to 3 or 4 plants to the foot. Those taken out at this time make excellent greens.

## Gould's Early Bunching Beet\*

The earliest beet on the market. It can stand the severe changes of the weather when sown in hot beds better than any beet ever offered, besides having a perfect shape and color for an early bunching beet.

## Crimson Globe

A late or main crop variety of medium size and of a perfect globe shape. Flesh is a deep purple. The foliage is small and a dark bronze color.

## Early Wonder\*

An extra early variety of special merit, being one of the first on the market. It is globular in shape, has a smooth skin, flesh is blood red and very tender.

## Gould's Reliable Red Beet\*

Is especially selected for its uniformity in size, shape and color, being a very dark red. We do not hesitate to recommend it either for market or home garden. It grows to a large size and is unsurpassed as to quality.

## N. K. &amp; Co.'s. Sterling\*

A very attractive variety of high quality. It is a heavy yielder, a good keeper and of very fine appearance. Is exceedingly sweet and tender for table use.

## Crosby's Egyptian

A splendid extra early beet of slightly flattened globe shape. It is sweet and tender and a much desired table beet. It is grown and recommended by market gardeners for easy bunching. One of the earliest and best strains of beets.

## Detroit Dark Red\*

Roots are globe shaped, smooth with short tops. The skin is dark red. The flesh is tender and sweet. It is a good keeper and is very desirable both for market and home garden; being in demand for either bunching or canning.

## Edmand's Blood Turnip

A fine appearing turnip-shaped blood beet. Skin and flesh are of a deep blood red. This beet grows uniform of good, marketable size and is a good keeper. This variety is of the second early maturing crop, also popular with gardeners.

## Extra Early Egyptian

One of the very earliest small top varieties. Roots are decidedly flat with a dark skin. Flesh is purplish zoned to a lighter shade.

## PRICE LIST OF BEANS

DWARF WAX VARIETIES	Pkt.	1/4 lb.	1 lb.	10 lb.
Gould's Reliable Black Wax.....	\$0.10	\$0.15	\$0.35	\$2.25
Gould's Reliable Kidney Wax.....	.10	.15	.35	2.25
Currie's Rust Proof Black Wax.....	.10	.15	.30	2.25
Davis Kidney Wax.....	.10	.15	.35	2.25
Pencil Pod Black Wax.....	.10	.15	.30	2.25
Improved Golden Wax.....	.10	.15	.35	2.25
Wardwell's Kidney Wax.....	.10	.15	.30	2.25
Unrivaled or Everbearing Wax.....	.10	.15	.35	2.50
Hodson Wax.....	.10	.15	.30	2.25

## DWARF GREEN PODDED VARIETIES

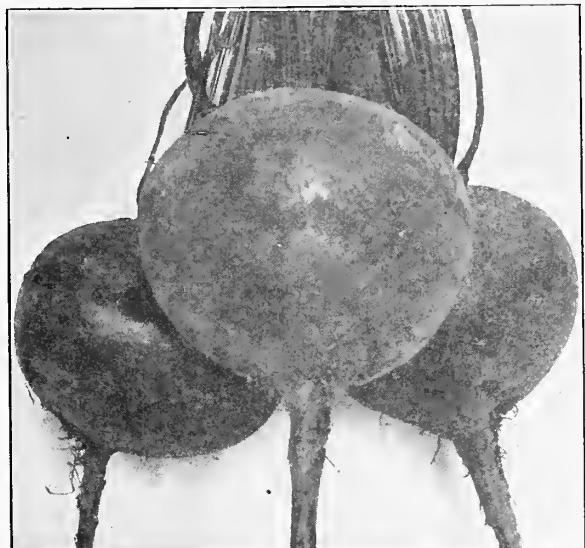
DWARF GREEN PODDED VARIETIES	Pkt.	1/4 lb.	1 lb.	5 lb.
Bountiful.....	\$0.10	\$0.15	\$0.30	\$2.25
Stringless Green Pod.....	.10	.15	.35	2.25
Full Measure.....	.10	.15	.35	2.25
Dwarf Horticultural.....	.10	.15	.35	3.00
Early Red Valentine.....	.10	.15	.30	2.25
Refugee or 1000 to 1.....	.10	.15	.30	2.25
Longfellow.....	.10	.15	.30	2.25
Black Valentine.....	.10	.15	.30	2.25
Giant Stringless Green Pod.....	.10	.15	.30	2.25

## POLE BEANS

POLE BEANS	Pkt.	1/4 lb.	1 lb.	5 lb.
King of the Garden Pole Lima.....	\$0.10	\$0.15	\$0.40	\$1.75
Large White Lima.....	.10	.15	.40	1.75
Lazy Wife.....	.10	.15	.35	1.50
Kentucky Wonder or Old Home- stead.....	.10	.15	.40	1.75
Kentucky Wonder Wax.....	.10	.15	.40	1.75
Scarlet Runner.....	.10	.15	.40	1.75
Horticultural Pole or Cranberry.....	.10	.15	.35	1.50

## DWARF OR BUSH LIMA BEANS

DWARF OR BUSH LIMA BEANS	Pkt.	1/4 lb.	1 lb.	5 lb.
Burpee's Bush Lima.....	\$0.10	\$0.15	\$0.40	\$1.75
Burpee's Improved Bush Lima.....	.10	.15	.40	1.75
Henderson's Bush.....	.10	.15	.40	1.75
Fordhook Bush.....	.10	.15	.45	2.00



Gould's Early Bunching Beets

The vegetables best suited for market are indicated by a star (\*) after the name of the variety.

## Swiss Chard or Spinach Beet

This variety does not produce an edible root like the regular garden Beet, but is highly esteemed for the broad, white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a most delicious vegetable. The leaves are also cooked like spinach.

## Giant Lucullus Swiss Chard

The largest and the favorite of the Chard family. The leaves are very large and curly and make a very attractive dish when cooked up as greens. As it grows up so quickly it is also very valuable for keeping the poultry supplied with a green feed. Leaves may be trimmed to the ground and new leaves will grow and take their place quickly.



# SUGAR BEETS

## Gould's Reliable Sugar Beet

This we consider the very best sugar beet for sugar production. Is rich in sugar content. Try some in your garden. Make your own syrup, for sweetening.

**ORDER EARLY.** Your order is sure to receive more prompt attention during the early part of the season, for the rush during the flush of the season is bound to slow up the filling of orders to some extent, and there is always the danger of running short of some varieties.

## Gould's Giant Feeding Half Sugar Mangel (For Stock Feeding)

Is a very large growing sugar beet which makes a good share of its growth above ground, making it easy to harvest. It is a heavy yielder, an excellent feeder, but is not fit for sugar production. Yields nearly as heavy as do mangels, but supplies for stock feeding a food of very much higher nutritive value. A most excellent feed for all kinds of stock and poultry.

## MANGEL-WURZEL (For Stock Feeding)

**CULTURE.** Sow six pounds to the acre in May or June, in rows three feet apart, and thin to nine inches in the row. Cultivate frequently with horse tools.

Farmers and stock raisers of the United States do not appreciate so fully the value of mangels for feeding cattle, hogs, sheep, poultry, etc., as do the farmers of Europe. In France, Great Britain and other European countries, it is the exception rather than the rule where mangels are not grown on a large scale on every farm. The immense yield which may be secured from an acre, with very little expense either for material or labor, makes the mangel crop one of the most profitable on the farm. 15 to 20 tons of roots an acre is not an unusual yield; some specimens weigh 20 to 30 lbs. each. Where properly seeded, cultivated and harvested the cost of growing a bushel of mangel should not exceed



Above picture shows Virginia Kraushar of Dakota Co., Minn., holding two of Gould's Improved Long Red Mangels, grown by her dad. Gould's Mangels are famous for quality as well as size, and yield.

10c. When fed in combination with grain they are worth almost as much, pound for pound, as the grain. Experience has proved that mangels so aid digestion and assimilation, by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed beside the nutrients the roots contain. Mangels, when fed to cows, materially increase the flow of milk.

### Improved Mammoth Long Red

Is a selection of the very best type of long red mangel. The roots are extra large, straight, uniform in size and of a deep red color. They grow very large, some weighing as much as 15 to 20 pounds apiece, and yielding 15 to 20 tons to the acre.

### Giant Red Eckendorf

This variety is raised extensively in Europe where root crops are grown on a much larger scale, and has also become very popular in the United States since being introduced here. The roots are red in color, smooth, long and cylinder shaped. They grow to enormous size, weighing up to 15 and 20 pounds each. The flesh is firm and of high feeding quality.

### Giant Yellow Eckendorf

Is very similar to the Red Eckendorf, excepting that the color is yellow. A fine variety in every way.

### Mammoth Golden Giant

Grows very large, yet it has a very fine, even shape and smooth skin. Flesh is white, firm and sweet. Cattle are very fond of them. In spite of the size they are easily lifted from the ground. Grow enormous crops.

### Gould's Reliable Sludstrup Barres

Has been recognized by the Danish Government as having the largest per cent of nutrient found in any sort. It is of a reddish yellow color, is very hardy and grows well above ground, making it easy to pull.

### Golden Tankard

As its name denotes it is of tankard shape and a bright golden yellow and is very desirable for dairy stock feeding.

## PRICE LIST OF MANGEL-WURZEL, SUGAR BEETS AND BRUSSELS SPROUTS

MANGEL-WURZEL Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	10 lb.
Improved Mammoth Long Red	\$0.05	\$0.10	\$0.20	\$0.60	\$2.25
Mammoth Golden Giant	.05	.10	.20	.60	2.50
Gould's Reliable Sludstrup Barres	.05	.10	.20	.60	2.25
Giant Yellow Eckendorf	.05	.10	.20	.60	2.50
Yellow Globe	.05	.10	.20	.60	2.50
Giant Red Eckendorf	.05	.10	.20	.60	2.50
Golden Tankard	.05	.10	.20	.60	2.50
SUGAR BEETS Pkt.	Oz.	1/4 lb.	1 lb.		
Gould's Rel. Sugar Beet	\$.05	\$.10	\$.25		\$.75
Gould's Giant Feeding Half Sugar Mangel	.05	.10	.25		.75
BRUSSELS SPROUTS Pkt.	Oz.	1/4 lb.	1 lb.		
Perfection	\$.10	\$.25	\$.75		\$2.50

## PRICE LIST OF BEETS

	Pkt.	Oz.	1/4 lb.	1 lb.
Gould's Early Bunching Beet	\$.05	\$.10	\$.35	\$1.00
Edmand's Blood Turnip	.05	.10	.30	.75
Extra Early Egyptian	.05	.10	.30	.75
Crimson Globe	.05	.10	.30	.75
Early Wonder	.05	.10	.35	1.00
Gould's Reliable Red Beet	.05	.10	.35	1.00
N. K. & Co's Sterling	.05	.10	.35	1.00
Eclipse	.05	.10	.30	.75
Crosby's Egyptian	.05	.10	.30	.90
Detroit Dark Red	.05	.10	.30	.90
Swiss Chard or Spinach Beet	.05	.10	.35	1.00
Giant Lucullus Swiss Chard	.05	.10	.35	1.00

## BRUSSELS SPROUTS

### Perfection

Small heads or sprouts about one to two inches in diameter form on the stocks at each leaf joint. These may be boiled or creamed like cabbage or cauliflower and make a very delicious dish.



Field of Gould's Copenhagen Market Cabbage—A heavy Yielder of Large, Solid Heads

## CABBAGE—Listed According to Earliness

**CULTURE FOR EARLY CABBAGE.** Seed of the early varieties should be sown  $\frac{3}{4}$  of an inch deep in a greenhouse, hot-bed, or in boxes in the house, about 6 weeks before the plants are needed for planting out.

If, when the second leaves appear, the plants can be transplanted, spacing them 3 inches apart, better and more hardy plants will be obtained.

As soon as the soil can be worked in the Spring the plants should be removed to the open field and set in rows 2 feet apart each way. Cultivate occasionally to keep out weeds and preserve the moisture in the soil until the plants shade the ground. One-fourth lb. of seed will produce plants for one acre.

**CULTURE FOR LATE CABBAGE.** The seed may be sown in rows 1 foot apart or broadcast in the garden, about the middle of May, and the plants set in the field the latter part of June.

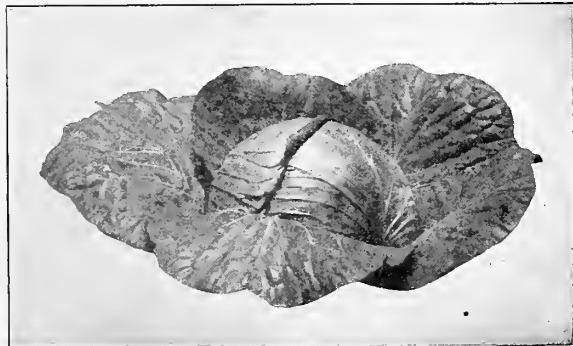
Cultivation must begin as soon as the plants are set in the field, and continued as long as it is possible to get through them with a cultivator without injury to the plants.

### Early Jersey Wakefield

The earliest cabbage grown. Heads are very solid and conical in shape with very few outside leaves.

### Gould's Reliable Wakefield

Is much larger than the Jersey Wakefield but not quite as early. Very much in demand both for market and the home garden. The heads are far superior to other strains of Wakefield Cabbage, being nearly double the size and of superior quality.



Golden Acre Cabbage

### Golden Acre\*

A very extra early selection of the Copenhagen Market type. We again have a very limited supply of the same strain which we offered last season and which produced

such wonderful results. The Golden Acre was on the market about 10 days ahead of Copenhagen Market. One of our growers sold over \$500.00 worth of cabbage from \$5.00 worth of seed.

### Marion Market★

This is one of the Wisconsin Experiment Stations latest contributions to the field of disease resistant cabbages. It is a selection from Copenhagen Market, is very resistant to cabbage yellows; round head and of high quality.



Copenhagen Market Cabbage.

### Copenhagen Market★

Heads grow upon a short stem, are solid and large, often weighing from 8 to 12 pounds. It is the largest of the early round-headed varieties. Its quality is excellent.

### Glory of Enkhuizen

A large round short stem variety which matures about five days later than the Copenhagen Market.

### Early Summer

Deservedly popular with market gardeners throughout the country. The heads are large and solid, weighing 8 to 10 pounds each. This cabbage is also much in demand for kraut making, being sweet and tender and of excellent quality.



## CABBAGE—Continued

### All Seasons

Is an old standard and true to its name. It does well planted at all seasons. An excellent variety for fall and winter use. The heads are somewhat flattened but nearly round, very solid and of fine quality. The plants are very vigorous and are noted for withstanding the hot sun or a long dry spell.

### All Head Select★

A yellows resistant cabbage that is two weeks earlier in season than Wisconsin All Season. This cabbage was secured by selection from All Head Early.

### Wisconsin All Season\*

A yellows resistant strain of all season developed by the Wisconsin Experiment Station. This is a short stem drumhead type of cabbage with a reputation for heading uniformly and heavy yielding.

### Wisconsin Hollander★

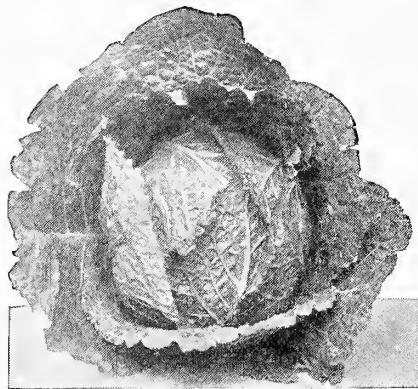
A very fine strain of yellows resistant Hollander formerly known as Wisconsin No. 8. Will mature in about 120 days. A gardener who grows one of these resistant strains need have no fear of cabbage yellows. A splendid winter keeper.

### Succession

A well known sort that is a good cropper for late summer or winter use. Is one of the surest crops. Grow to about 10 to 12 lbs. each, heads being hard and solid.

### Drumhead Savoy

The best of the Savoy or curly leaf type of cabbage. Produces a large solid head upon a short stem. It is very sweet and delicious especially after being touched by frost.



Savoy Cabbage

### Late Flat Dutch

A low growing variety, heads large, bluish green, round, solid, broad and flat on top. An excellent fall and winter keeping variety.

### Red Hollander★

We are now able to offer our customers a yellows resistant strain of red cabbage. This strain is of good color, hard, ball shaped head and a heavy yielder. Good for mid-season or late crop. Plant disease men the country over, feel that the problem of cabbage yellows is practically solved with the advent of these yellows resistant strains.

### PRICE LIST OF CABBAGE

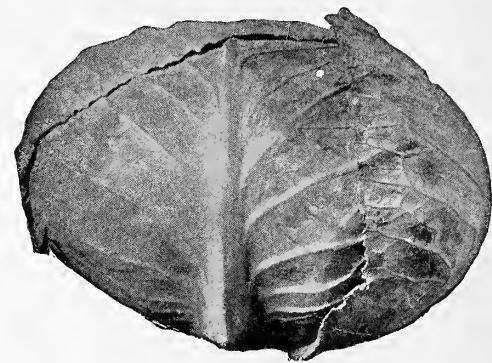
	Pkt.	Oz.	1/4 lb.	1 lb.
Early Jersey Wakefield.....	\$0.05	\$0.35	\$1.00	\$3.25
Gould's Reliable Wakefield.....	.05	.40	1.00	3.50
Golden Acre .....	.10	.90	3.00	10.50
Copenhagen Market.....	.05	.35	1.00	3.50
Glory of Enkhuizen.....	.05	.35	1.00	3.50
Early Summer.....	.05	.35	1.00	3.00
All Seasons.....	.05	.35	1.00	3.00
Succession .....	.05	.35	1.10	3.25
Rock Red.....	.05	.35	1.10	3.25
Late Flat Dutch.....	.05	.35	1.10	3.25
Danish Roundhead.....	.05	.35	1.10	3.25
Danish Ballhead.....	.05	.35	1.10	3.25
Holland .....	.05	.35	1.10	3.25
Drumhead Savoy .....	.05	.40	1.10	3.25
Chinese Cabbage .....	.05	.35	1.10	3.50
<b>YELLOWS RESISTANT STRAINS OF CABBAGE</b>				
Wisconsin All Seasons.....	\$0.10	\$0.50	\$1.50	\$4.50
Wisconsin Hollander.....	.10	.50	1.50	4.50
All Head Select.....	.10	.50	1.50	4.50
Marion Market.....	.10	.90	2.75	10.00
Red Hollander.....	.10	1.00	3.00	11.00

### Danish Roundhead★

Is an improved strain of the Danish Ballhead, being slightly earlier, shorter stemmed and heavier. It is less liable to blight and is an excellent keeper.

### Danish Ballhead★

This is one of the most largely grown varieties for fall shipping and winter keeping. It is large, round and solid. Grows well on all soil and resists most any kind of weather. Has few outside leaves, is tender and unsurpassed for boiling, slaw, and kraut making.



Holland Cabbage

### Holland★

The standard winter cabbage, and most remarkable late cabbage produced. The heads though not as large as some other varieties are hard and solid, fine grained and tender. If placed in a cool, dry cellar they will keep until spring and be as firm and sound as when put away.

## CHINESE or CELERY CABBAGE

Is a delicious salad plant. It thrives best during the cooler part of the growing season consequently is generally planted as a fall crop, usually during July. Seed should be sown where crop is to mature and the plants thinned to stand about 15 inches apart in the row. The general cultural directions are about the same as for cabbage.

### For Cabbage Worms

See pages 50 and 51 for all insecticides. Slug Shot is especially good for cabbage worms.

## CARROTS

One ounce of seed will sow 200 feet of drill. Make the rows two feet apart to allow for horse cultivation. Keep free from weeds and cultivate occasionally until the roots are large enough for table use and if grown for commercial purposes they may be cultivated with profit throughout the season. When the plants are 3 inches high thin to 3 inches apart in the row.



Chantenay

### Chantenay★ (Select Stock)

The Chantenay Carrot has been the favorite with the market gardeners for many years. The flesh is of a beautiful orange color and of very fine quality. The roots taper slightly and are uniformly stump rooted and easy to pull. A very desirable variety for the home garden, as well as market gardeners. About six inches at maturity.

### Improved Danver's Half Long★

Is a well known stump rooted variety. The root is of a rich dark orange color, smooth and heavy yielding, making it very desirable for both marketing and stock feeding. Roots will grow to 7 or 7½ inches in length. This is an excellent bushel carrot and one of the most popular of American varieties. Grows a little longer and larger than Chantenay.



## CARROTS—Continued

### Oxheart or Guerande

Earlier than the Danvers but not so long. It will produce a large thick carrot that can be very easily lifted from the ground. The flesh is bright orange, fine grained and sweet, roots growing to a length of about five inches long when mature.

### Large White Belgian

For stock feeding. The largest producer of all carrots, one root often measuring 15 to 20 inches in circumference. It will produce as high as 20 to 30 tons per acre. Very fine for all kind of stock, but is not a carrot for table use.

### Victoria or Yellow Belgian

A large yellow stock carrot by far the largest yellow carrot grown. The roots are exceptionally fine for all kinds of stock feeding, possessing high feeding properties. It is a heavy cropper on all kinds of soil, but is especially adapted for rich, sandy loam.



Improved Danvers Half Long

ange, tender and sweet. Very desirable as a market variety, on account of the heavy yield, fine shape, appearance and excellent quality.

### Early French Forcing

The earliest variety, largely grown for forcing purposes. Is globular shaped and of an orange-red color.

### Improved Long Orange

A heavy yielder for light soils when roots may be easily dug. Roots are orange scarlet, fairly thick and as a rule grow entirely underground thus having no green shoulder. Are from 10 to 12 inches long when matured.

### James Intermediate

A splendid variety in shape midway between the half long and the long sorts. It is quite broad at the top and tapers to a blunt point. Flesh is rich reddish-orange, tender and sweet. Very desirable as a market variety, on account of the heavy yield, fine shape, appearance and excellent quality.

## CAULIFLOWER

**CULTURE.** For early use the seed should be sown indoors either in a green house, hotbed or in the house about six weeks before setting out. Sow the seed  $\frac{1}{2}$  to  $\frac{3}{4}$  of an inch deep. When plants are one or two inches high they can be transplanted to about 3 inches apart thereby developing into stronger plants. As soon as the soil can be worked and pulverized, the plants may be set out in the open field 2 to  $2\frac{1}{2}$  feet each way.

Cultivate freely until plants shade the ground completely. As soon as the heads start to form tie the leaves together over the head to keep out the light thereby keeping the heads pure white. For later crop seed may be sown in the garden any time after soil works up nicely.

### Snowball\*

The most popular variety for early and general crop. Produces nice snow white heads 6 to 8 inches in diameter, of extra fine flavor. Is considered a standard by the market gardener, also very desirable for the home garden.

### Model\*

A week later than the Snowball, but somewhat larger. Very attractive in appearance and delicious in flavor. It is not only suitable for early planting but superior for late planting. Heads are large and solid and weigh from 4 to 8 pounds.

### Danish Giant or Dry Weather

A larger and later variety that is generally planted for a fall crop. It will stand the dry weather of the summer months better than any other variety.

### Half Long Scarlet Nantes

Coreless, brittle, and fine grained with a mild sweet flavor. Roots are of reddish orange color, and about 5 to 6 inches long when mature. It is one of the finest carrots grown and is especially favored by the home gardener.

## CHIVES

Are hardy perennial plants of the onion type. The tops are used for flavoring. Quicker results are obtained by setting out plants than by seeding as seedlings will not do much the first year, while the sets or plants will multiply very rapidly.

## CRESS

**CULTURE.** Sow seed thickly in shallow drills 12 inches apart in the spring, and for a succession every two weeks. One ounce of seed required for 200 feet of drill.

### Fine Curled (Pepper Grass)

Quick growing; leaves finely cut like parsley; growth dwarf and compact; crisp and pungent.

### Water Cress

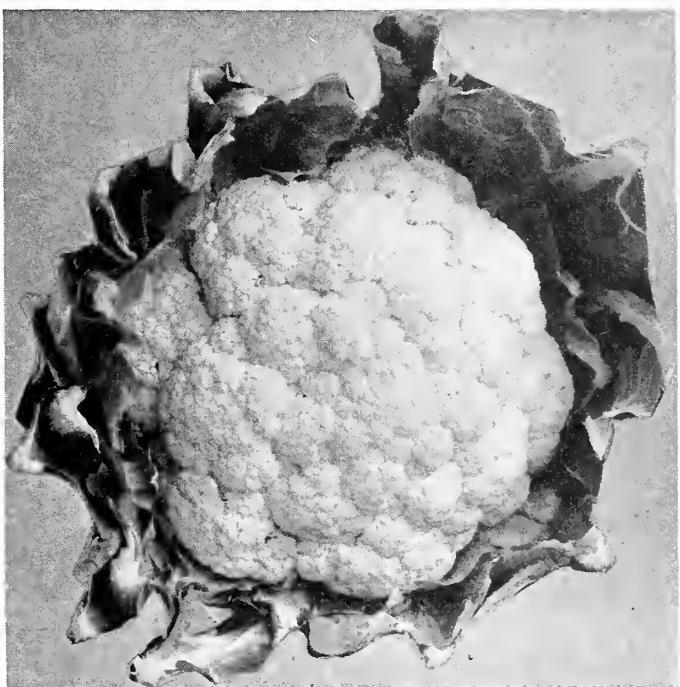
Sow the seed in cool, moist soil in the early spring or if a shallow slow running stream or ditch is near, the seed may be sown within the same near the bank. When sown in a location of this kind it grows luxuriantly for years. Highly esteemed as a salad, also as a garnish.

## PRICE LIST OF CARROTS, CHIVES, CRESS

CARROTS	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
Chantenay .....	\$0.05	\$0.10	\$0.35	\$1.00
Improved Danvers Half Long .....	.05	.10	.35	1.00
Early French Forcing .....	.05	.15	.45	1.50
Oxheart or Guerande .....	.05	.10	.35	1.00
Improved Long Orange .....	.05	.15	.45	1.25
Half Long Scarlet Nantes .....	.05	.15	.45	1.25
James Intermediate .....	.05	.10	.35	1.00
Large White Belgian .....	.05	.10	.35	1.00
Victoria .....	.05	.10	.35	1.00
<b>CHIVES</b>				
Chives .....		\$0.10	\$1.00	\$2.50
<b>CRESS</b>				
Fine Curled (Pepper Grass) .....	\$0.05	\$0.10	\$0.30	\$1.00
Water Cress .....	.10	.50	1.60	5.50

## PRICE LIST OF CAULIFLOWER

	Pkt.	Oz.	$\frac{1}{4}$ lb.
Snowball .....	\$0.25	\$2.25	\$8.00
Model .....	.25	2.25	8.00
Danish Giant or Dry Weather .....	.25	2.25	8.00



Model Cauliflower



Celery Field Grown From Gould's Self-blanching Strain by Kokesh Bros., Hennepin County, Minnesota

## CELERY

**CULTURE.** For early planting sow in greenhouse or hotbed from the 1st to the 15th of March. Celery seed being so small and slow in germinating it is very essential that the seed bed be well prepared. Sow the seed in rows two inches apart and do not cover with more than  $\frac{1}{8}$  or  $1/10$  of an inch of fine soil, press down firmly and cover with burlap. Moistens daily by sprinkling the burlap until seed is germinated. When 4 to 6 inches high they may be planted in the open if the weather permits and the soil can be well prepared.

### Gould's Reliable Self Blanching★

We are still offering the same improved strain of our Reliable Self Blanching Celery which has all the characteristics of the old dwarf strain besides being a quicker and more robust grower. The seed is of French grown stock which has been brought to its present high standard of perfection after many years of careful selection. The stalks are tender, brittle and very fine flavored. It is almost double the size of the common strain. Owing to the extra large size to which it grows it is advisable to plant further apart than is customary.

### White Plume

The earliest celery grown. It is hardy and requires very little effort to produce. Is in much demand for market on account of its fine appearance, also because it requires very little time for blanching.

### Giant Pascal

A very popular variety for winter use. It has very large stalks which when bleached are of a creamy yellow color. Stalks are exceptionally thick with heavy hearts.

### PRICE LIST OF CELERY, CELERIAC, CHICORY.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
Gould's Reliable Self Blanching	\$0.15	\$1.25	\$4.00	\$12.00
White Plume .....	.05	.35	1.00	3.50
Giant Pascal.....	.05	.35	1.00	3.50
<b>CELERIAC</b>				
Large Smooth Turnip Rooted..	.05	.25	.75	2.50
<b>CHICORY</b>				
Witloof Chicory.....	\$0.05	\$0.30	\$0.90	\$2.75

## CELERIAC

**CULTURE.** Celeriac seed may be treated the same as celery until outdoor planting. Plant in rows 14 inches apart, 3 or 4 inches apart in the row.

### Large Smooth Turnip Rooted

The best there is. This vegetable deserves a wider recognition by growers or home gardeners. Is fine for flavoring soups or roots may be cooked up creamed.

## WITLOOF CHICORY

Used as a winter salad. May be used as a Cos lettuce, and is delicious when served with French dressing. The plants form long parsnip-shaped roots that are lifted in the fall, trimmed of leaves, and stored in soil in a cool place until wanted for forcing.

## SWEET CORN

### Varieties Listed in order of Earliness

**CULTURE.** Have your soil well prepared but do not plant sweet corn until the ground is warmed up thoroughly. Then the early varieties may be planted in hills 30 inches apart both ways while the later varieties should be planted 3 to  $3\frac{1}{2}$  feet both ways. Plant 5 or 6 kernels to the hill from 1 to 2 inches deep. Cultivate to keep free from weeds, and when corn is well started thin to 4 stalks to the hill.

### Early Dow★

A week earlier than Golden Bantam. The ears are small but well shaped; kernels white. Being the first on the market it commands a good price.

### Early Sunshine

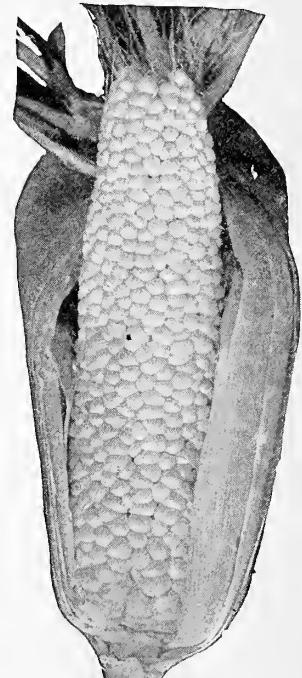
Still another improvement in Early White Sweet Corn. A large ear of the very best quality and yet very early. This variety is the work of Prof. Yeager of the North Dakota Agricultural College and those who tried it last year say it is most delicious; very early and large.

### Gould's Early Golden Giant★

(See rear cover page.)

Gould's Golden Giant excels all other early yellow varieties in size, productiveness and quality, and all of the late varieties in quality and early maturity. Because of the extreme tenderness, combined with the rich exquisite sugary flavor, the Golden Giant has become the standard of perfection for sugar corn.

Sweet Corn prices listed on next page are postpaid only in packages and  $\frac{1}{4}$  pound lots. For pound lots or more add postage at rates given on page 1.

Country Gentleman Sweet Corn  
(See next Page)

### Golden Bantam★ (See rear cover page.)

Recognized by most every one as the sweetest corn grown. It produces a fair sized ear of beautiful golden yellow kernels. May be planted at intervals of two weeks until July 1st. Is very hardy and productive.

### Barden's Wonder Bantam★

A new selected strain of Golden Bantam Sweet Corn which has retained the delicious taste and tenderness of the original Golden Bantam but still produces a much larger ear. This corn was bred up to its present high standard by Mr. Barden, a Sweet Corn expert of Ohio.



## SWEET CORN (Continued)



## Golden Giant Evergreen★

(See rear cover page.)

A large yellow Sweet Corn obtained by crossing Golden Bantam with Stowell's Evergreen. The ears are 8 to 9 inches long and contain 12 to 14 rows of beautiful yellow kernels. The flavor is very much like Golden Bantam. Matures about two weeks later.

## Early Evergreen

Although called Early Evergreen it is not real early, but rather should be classed as a late sweet corn. It is, however, the earliest of the late varieties. It produces large white ears of extra fine quality, which mature about 10 to 15 days ahead of Stowell's Late Evergreen. We recommend it very highly for both home and market gardens.

## Country Gentleman

A great favorite for the home garden. It does not grow very large but the white kernels being very deep and packed so tightly together that the food value from one ear is almost as great as that on larger ears. The flavor is delicious.

## Stowell's Late Evergreen

The best known and most popular late variety. Its large ears with long deep white kernels of a rich sugary flavor can not be surpassed.

Control Corn Diseases with  
Semesan Jr.

Stowell's Evergreen

## PRICE LIST OF SWEET CORN

Varieties listed in order of Earliness

	Pkt.	1/4 lb.	1 lb.	5 lb.	10 lb.
Early Dow .....	\$0.10	\$0.15	\$0.30	\$1.25	\$2.00
Gould's Early Golden					
Giant .....	.10	.15	.30	1.25	2.00
Early Sunshine .....	.10	.20	.45	2.00	3.00
Golden Bantam .....	.10	.15	.30	1.25	2.00
Barden's Wonder Bantam	.10	.15	.30	1.25	2.00
Golden Giant Evergreen	.10	.15	.35	1.40	2.20
Early Evergreen .....	.10	.15	.30	1.25	2.00
Country Gentleman .....	.10	.15	.35	1.40	2.20
Stowell's Evergreen .....	.10	.15	.30	1.25	2.00
Black Mexican .....	.10	.15	.35	1.40	2.20

## PRICE LIST OF CUCUMBER

	Pkt.	Oz.	1/4 lb.	1 lb.
N. K. & Co's Sterling.....	\$0.05	\$0.15	\$0.50	\$1.30
Davis Perfect .....	.05	.15	.50	1.30
Cool and Crisp .....	.05	.15	.50	1.30
Arlington White Spine.....	.05	.15	.50	1.30
Extra Long White Spine.....	.05	.15	.50	1.30
White Spine Evergreen.....	.05	.15	.50	1.30
Japanese Climbing .....	.05	.15	.50	1.50
Gould's Pickling .....	.05	.15	.50	1.15
Long Green .....	.05	.15	.50	1.30
Boston Pickling .....	.05	.15	.50	1.15
Chicago or Westerfield Pickling .....	.05	.15	.50	1.15
The Vaughan .....	.10	.25	.80	2.75
Klonidike .....	.05	.15	.50	1.30
Rollinson's Tclegraph .....	.25	2.50		

## CONTROL CORN DISEASES

Increase Germination, Stimulate Growth  
with Semesan, Jr.

See Insecticide Page for Prices or Write for Special  
Instructive Leaflet.

## CUCUMBER

**CULTURE.** Plant in hills 6 feet apart each way, 10 to 20 seeds may be planted in each hill, covering a circle 15 inches in diameter. When plants are three or four inches high they may be thinned to 5 or 6 to a hill, allowing for cut worms and beetles destroying one or two. Cultivate frequently until the vines cover the ground. The seed may also be started in berry boxes by placing them in a hot-bed. When weather is suitable—settled and warm—remove the box as plants are placed in the garden. The fruit should be gathered as soon as large enough for use, or else the productiveness of the vines will be permanently injured.

## N. K. &amp; Co's. Sterling★

One of the earliest cucumbers of the White Spine type. For general use it is unsurpassed. It can be picked at any size and used for pickles if desired, and will also make a fine large cucumber. Is one of the most attractive and heaviest producers, coloring up to a very deep green. Its excellent quality, being brittle and crisp with a delicate flavor, has made it suitable for market, shipping and home gardens alike.

## Davis Perfect★

A selected strain of Long White Spine which retains its dark green color and good qualities long after being picked. The flesh is crisp, solid and fine flavor, and has but few seeds. Will average about ten inches or more in length, is quite slender, tapering slightly at both ends. The vines are very vigorous and good producers.

## Arlington White Spine★

One of the earliest and true to type of the White Spine family. Has a bright deep green color. Measures 8 to 10 inches in length, and is somewhat slender and pointed at both ends. Is much used for the home garden and for bulk pickles.

## Extra Long White Spine

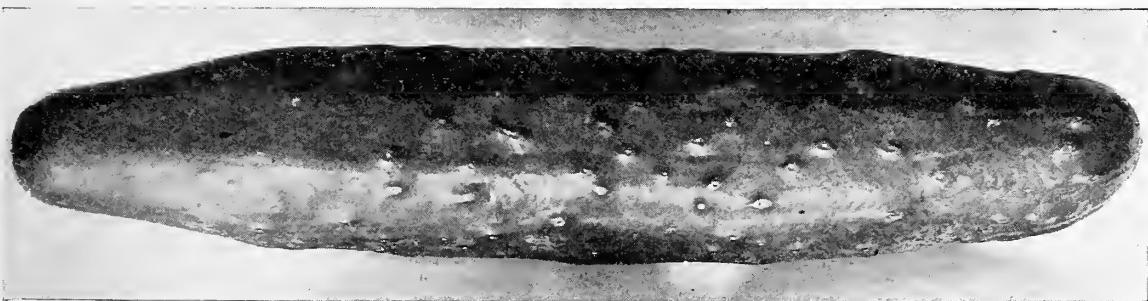
An extra fine variety for either greenhouse or outdoor crop. It grows to a large size in a very short time and commands fancy prices on account of its fine appearance.

## Japanese Climbing

A vigorous grower. Very desirable for planting along fence or trellis in small gardens. Fruit 10 to 12 inches long, tender and crisp. Very fine for table use.

## The Vaughan★

Is the finest extra long cucumber ever offered. The average length when matured is from 12 to 18 inches and the diameter from 2 to 2½ inches at the center, tapering gradually at both ends. It has a beautiful smooth green skin and very few seeds. Very desirable for slicing. It will retain its color and firmness indefinitely making it very popular for shipping. We recommend The Vaughan for either hothouse or outdoor growing. The seed supply is very limited, so order early.



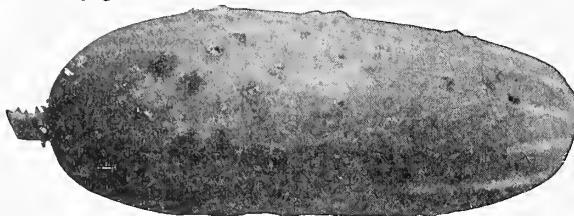
The Vaughan



## CUCUMBERS—Continued

### Gould's Pickling★

Fruit is of medium size slightly tapering at each end, and of a deep green color. The flesh is crisp and tender. It is very productive.



Gould's Pickling Cucumber

### Long Green★

Produces dark green fruit from 10 to 14 inches long. Flesh is firm and crisp. Fine for slicing, also desirable for ripe cucumber pickles. The bulk of the crop matures late, and is in much demand for both the home garden and for market gardeners.

### Boston Pickling★

Very productive, and grown mostly for pickles. The fruit is medium size, bright green in color, and smooth, with the flesh crisp and tender.

### Chicago or Westerfield Pickling★

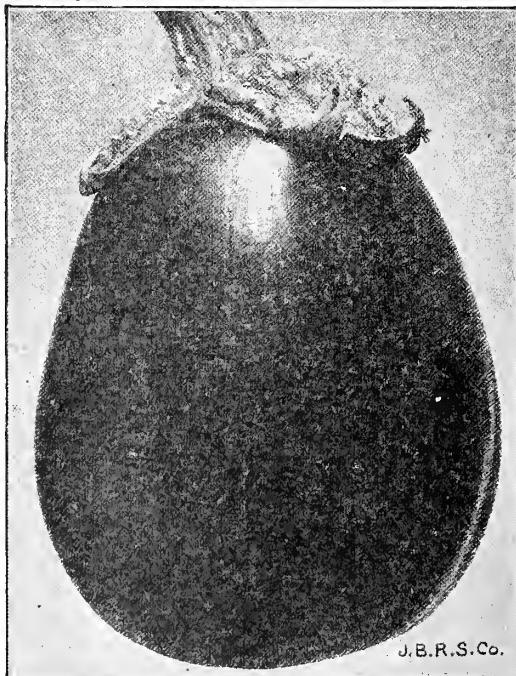
Is medium in length, pointed at each end, and has large spines. Is very prolific, and a favorite of many who grow pickles on a large scale.

### White Spine Evergreen

A fine strain of White Spine bearing smooth, round, dark green fruit 10 to 12 inches long of fine quality. Especially recommended for hotbed culture.

## EGG PLANT

**CULTURE.** Sow in hotbed in March and April, and when two inches high transplant to pots or boxes to develop growth. About June 1st plant in field or garden  $2\frac{1}{2}$  to 3 feet apart each way and cultivate same as cabbage or tomato. Protect young plants from sun as much as possible, also see that potato bugs do not infest the plants and destroy them.



J.B.R.S.Co.

New York Spineless Egg Plant

### New York Spineless★

The standard for the garden. The plants are stocky and low branching and produce extra large dark purple fruit of perfect shape. Is the handsomest type and most perfect strain of Egg Plants, usually bearing eight to ten large fruits of the finest quality, during a season.

### Black Beauty★

Slightly earlier than the N. Y. Spineless but not so large. The skin is of a rich dark purple color, and very desirable for market as the skin holds its color for a long time.

## ENDIVE

This plant furnishes attractive and appetizing salad for the fall and winter months, or by repeated sowing a supply may be had nearly all the year round. Useful in flavoring soups, stews, etc. Makes delicious greens if cooked like spinach.

**CULTURE.** Cultivation same as for lettuce.

### Broad Leaved Batavian★

One of the best varieties for salads. Leaves are broad, more or less twisted and waved with bright deep green, with nearly white midrib. Inner leaves form a fair head which blanches to a creamy white. Crisp tender, and of fine flavor.

### Green Curled★

A hardy and vigorous grower, with bright deep green leaves finely cut. The leaves should be tied up in the shape of a head for 3 or 4 weeks before using. This variety is also very popular with Market and Home Gardeners.

## PRICE LIST OF EGG PLANT, ENDIVE, KALE, KOHL-RABI, LEEK.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
EGG PLANT				
New York Spineless.....	\$0.10	\$0.50	\$1.50	\$5.00
Black Beauty .....	.10	.50	1.50	5.00
ENDIVE				
Broad Leaved Batavian.....	\$0.05	\$0.15	\$0.50	\$1.50
Green Curled .....	.05	.15	.50	1.50
White Curled .....	.05	.15	.50	1.50
KALE				
Dwarf Curled .....	\$0.05	\$0.15	\$0.50	\$1.50
Tall Curled .....	.05	.15	.50	1.50
KOHL-RABI				
Early White .....	\$0.05	\$0.30	\$0.90	\$2.75
LEEK				
American Flag .....	\$0.05	\$0.30	\$0.90	\$2.75

## KALE

**CULTURE.** Sow in May or June and cultivate the same as cabbage. Makes excellent greens and is improved by light frosts.

### Dwarf Curled★

A very finely curled dwarf spreading variety. Foliage is long and bright green. Is even more hardy than cabbage, and produces excellent greens for winter and spring use.

### Tall Curled★

This variety grows to a height of two and three feet, bearing long plume-like leaves of a light green color. Is another very hardy Kale that is rather improved than injured by fairly heavy frosts.

## KOHL RABI

**CULTURE:** Sow in drills 15 inches apart,  $\frac{1}{2}$  to  $\frac{3}{4}$  inch deep. When a few inches high thin to 6 to 8 inches apart in the row and cultivate same as beet. Bulbs grow above ground. Roots should be prepared like turnips or cauliflower for cooking, having a much sweeter and finer flavor than the turnip.

### Early White★

Very early, producing small white bulbs. Used especially for forcing. One of the best for table use.

## LEEK

### American Flag★

Sow about May 1st in drills 12 inches apart from  $\frac{1}{2}$  to 1 inch deep. When 6 inches high transplant to rows 15 inches apart and 5 inches apart in row, setting the plants in the ground up to their center leaves and drawing the ground up as they grow, causing them to bleach. This makes the leek more palatable.



# LETTUCE

**CULTURE:** Lettuce is the most popular of all salad plants and at the same time is one of the easiest to grow due to its comparative freedom from disease and insects. All types of lettuce will do very well on rich, loose, light loams or on any good garden soil, but should never be planted on heavy compact soil. Seed may be sown in the open from April 20th to August 1st, or planted in the house or in frames any time after March 10th. Rows to be 1½ feet apart, plants four inches apart in row after thinning. One ounce of seed will sow 150 feet of row, 2 to 2½ lbs. required per acre.

## LOOSE LEAVED VARIETIES

### Grand Rapids\*

The most popular variety to grow for market. When exposed for sale it retains its handsome fresh appearance longer than any other variety. Leaf is curly and of light green color.



Grand  
Rapids  
Lettuce

### Black Seeded Simpson\*

One of the best and most popular varieties of Leaf Lettuce. Color light yellowish green, quality fine. One of the best variety for the home garden and a very popular market variety.

### Prizehead

The name is rather deceiving, it being a crisp and tender, loose leaf sort with a reddish brown tint of fine quality. One of the best for the home garden for it is easily grown.

### Culture for Head Lettuce

If lettuce plants have been started indoors as suggested at the top of page, they should be transplanted as soon as they begin to crowd. Place them six to twelve inches apart in the row in extra rich soil and if the sun has become very hot, it will be best to furnish partial shade. Keep the soil well cultivated around the plants to destroy weeds and preserve a soil mulch. Water frequently during dry weather.

## PRICE LIST OF LETTUCE

LOOSE LEAVED VARIETIES	Pkt.	Oz.	¼ lb.	1 lb.
Grand Rapids .....	\$0.05	\$0.20	\$0.60	\$1.80
Black Seeded Simpson.....	.05	.20	.60	1.80
Prizehead .....	.05	.20	.60	1.80
HEADING VARIETIES	Pkt.	Oz.	¼ lb.	1 lb.
Sterling .....	\$0.05	\$0.20	\$0.60	\$1.80
Black Seeded Tennis Ball.....	.05	.20	.60	1.80
Big Boston .....	.05	.25	.70	2.00
Crisp as Ice.....	.05	.25	.70	2.00
Iceberg .....	.05	.25	.70	2.00
Hanson Head .....	.05	.20	.60	1.80
May King .....	.05	.20	.60	1.80
New York or Wonderful.....	.05	.25	.75	2.25
Tenderheart .....	.05	.25	.70	2.00
Salamander .....	.05	.20	.60	1.80
Paris White Cos.....	.05	.20	.60	1.80
Black Seeded Big Boston.....	.05	.25	.70	2.00

## HEADING VARIETIES

### Big Boston\* (White Seeded)

A cabbage butter heading variety forming a good sized solid head which is yellow and buttery, though crisp, and is of splendid quality. The outer leaves are bright green and edges are tinged with brown. It is a very popular market garden variety.

### Black Seeded Big Boston

Closely resembles Big Boston but is slightly larger than the white-seeded variety. Especially desirable for early spring and fall planting.

### Crisp as Ice

A large solid head with outer leaves variegated brown and green. Has a delicious flavor and is the ideal lettuce for the home garden.

### Iceberg

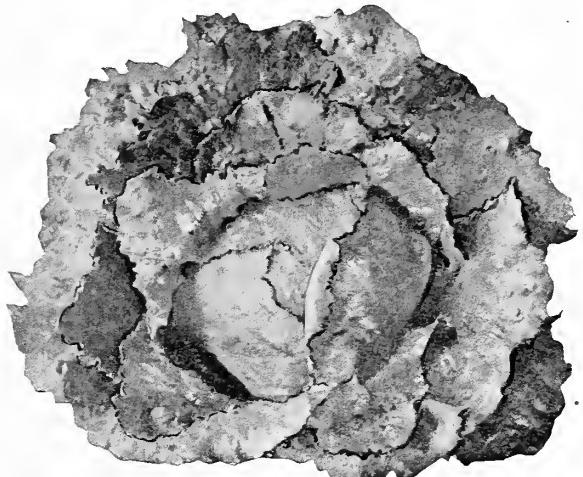
Heads are large and firm and well blanched. Color of leaves is light green with faint brown tracing on the border. Is a quick grower, heads being always crisp and tender.

### Hanson Head

An old reliable sure heading sort. Color clear light green. A fine variety for midsummer planting as it stands the hot weather better than most sorts. Much in demand by both the Market and Home Gardener.

### May King\*

A large early compact heading variety, unequaled for early spring planting. The outer leaves are of a light yellowish green, tinged with reddish brown. The heart bleaches to a rich golden yellow, having a fine, rich buttery flavor. Heads weigh nearly a pound on the average.



New York or Wonderful Lettuce

### New York or Wonderful\*

A very large, late popular heading variety. It roots deeply and therefore can resist the hot dry weather, making it very desirable for late planting. The color is a clear dark green, the heart blanching beautifully, being crisp, tender and delicious. This lettuce is sometimes erroneously called Iceberg, but should not be confused with the real Iceberg which has a slight brown tracing on the border.

### Salamander

It forms large solid heads of thick, smooth, tender leaves of fine quality. It withstands hot weather remarkably well, and remains in head a long time before going to seed. Therefore can be planted any time during the summer. One of the best heading varieties to grow outdoors.

### Paris White Cos

A very distinct variety of lettuce, having large, elongated, compact heads of oblong shape. Bleaches mild and crisp, especially if tied like cauliflower.



## MUSKMELON

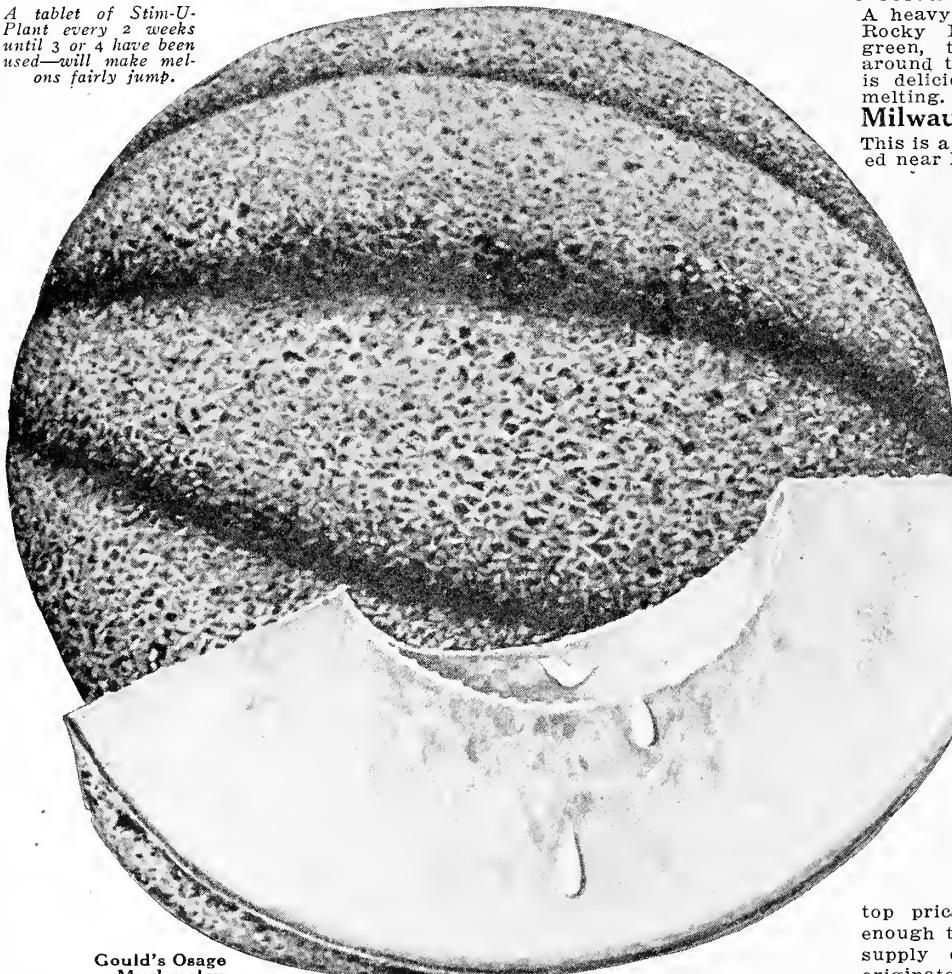
**CULTURE.** Muskmelons do best on moderately rich light, warm mellow loam. Do not plant until the ground has warmed thoroughly, as they will start quicker and be able to withstand the attacks of insects so much better.

Plant in hills 5 or 6 feet apart both ways. Mix in the hill before planting, one large cupful of Garden Fertilizer. Plant 1 inch deep, 10 to 15 seeds to the hill. When plants are 3 inches high, thin to 4 or 5 in a hill, leaving the best plants.

### Gould's Osage\*

A selected strain of Miller's Cream or Osage. The fruit is nearly round and slightly ribbed. The skin is dark green and partly netted. The flesh is of a deep salmon color, very thick and sweet.

A tablet of Stin-U-  
Plant every 2 weeks  
until 3 or 4 have been  
used—will make mel-  
ons fairly jump.



Gould's Osage  
Muskmelon

### Early Osage\*

Not as large nor sweet as Gould's Osage, but matures a few days earlier so that they bring a better price on the market.

### Salmon Fleshed Rocky Ford

This variety has rapidly grown in favor. The flesh is a rich salmon color and fine grained. The seed cavity is unusually small, which accounts for its superior shipping qualities. Very desirable for the home gardener.

### Yellow Meated Japan\*

The melon is nearly round, grows to a large size, often weighing from 10 to 12 pounds each. It is unevenly ribbed, the skin turning from greenish white to yellowish white when ripe. The flesh is very thick of extremely delicious flavor, the color deep salmon. A fine melon.

### Early Netted Gem

Slightly oval in form, finely netted, being a light golden hue when fully ripened. Flesh light green in color, ripens close to the skin and is very sweet.

### Improved Hoodoo, or Hearts of Gold\*

Medium size, round and distinctly ribbed. The skin is thickly netted and the flesh a rich deep orange color of fine quality, with a very small seed cavity. Very solid and firm.

### Honey Dew Melon

Is in a class by itself. It is almost round; the skin is smooth and of a creamy yellow color. The flesh is light green and very sweet. We recommend starting in cold frames.

### Extra Early Hackensack

Is the earliest of the large netted varieties. The skin is green netted; with flesh also light green and very sweet, having a delicious rich, sugary flavor.

### Nettled Rock

A heavy meated cantaloupe of the Rocky Ford type. The flesh is green, tinged with salmon pink around the seed cavity. The flavor is delicious, being sweet, luscious, melting.

### Milwaukee Market\*

This is a new melon which originated near Milwaukee a few years ago.

For a home garden melon or the road-side market it has no equal. Fruit of medium size, nearly round, lightly ribbed and fairly netted; skin light green, flesh thick, salmon colored and very sweet. Every home gardener who can grow muskmelons should try this.

### The Golden Champlain Cantaloupe\*

This cantaloupe undoubtedly surpasses all others in yield, appearance, flavor and earliness. It is heavily netted, has a thin but tough rind, very thick flesh and small seed cavity. The flesh is a rich golden color, very tender, juicy and sweet. It is fine grained, free from stringiness,

and uniformly delicious clear to the rind. Growers who are fortunate enough to have this cantaloupe always get top prices and very seldom have enough to supply the demand. Our supply of seed comes from the originator and is very limited.

### PRICE LIST OF MUSKMELON

	Pkt.	Oz.	1/4 lb.	1 lb.
Gould's Osage .....	.05	\$0.20	\$0.60	\$1.80
Improved Hoodoo or Hearts of Gold .....	.05	.20	.60	1.80
Netted Rock .....	.05	.15	.50	1.50
Milwaukee Market .....	.05	.20	.60	1.80
Honey Dew Melon.....	.05	.20	.60	1.80
Extra Early Hackensack.....	.05	.15	.50	1.50
Golden Champlain Cantaloupe .....	.05	.25	.75	2.25
Early Osage .....	.05	.20	.60	1.80
Salmon Fleshed Rocky Ford .....	.05	.15	.50	1.50
Yellow Meated Japan .....	.05	.20	.60	1.80
Early Netted Gem .....	.05	.15	.50	1.50

## MUSHROOMS

### Lambert's Pure Culture Spawn

In bricks of 18 to 24 ounces each, 1 brick will spawn 10 square feet of bed. Prices per brick postpaid, 40c each; by express or freight 10 bricks \$2.50; 25 bricks \$5.00; 100 bricks \$18.00 F. O. B. St. Paul, Minn.



# WATERMELON

**CULTURE.** The soil must be rich, light, sandy loam to obtain best results. Plant in hills 8 to 10 feet apart each way, putting 10 to 15 seeds in each hill from  $\frac{1}{2}$  to 1 inch deep. When 3 inches high, thin to about 4 plants in each hill. Cultivate often.

## Winter Melon\*

This melon is without a doubt the sweetest, firmest, most crisp and delicious of any watermelon grown. The rind is but  $\frac{1}{8}$  to  $\frac{1}{4}$  inch thick. If picked from the vines before frosted, and placed in a cool dry place or buried in dry sand, it will keep until the Holidays. The Winter Melon will, however, keep well most any place, for two or three months after being picked. The Winter Melon is late to mature, is nearly round, and looks very much like a citron.

## Fordhook Early\*

An extra early Watermelon of large size. The rind is tough, making it desirable for shipping purposes. Flesh is bright red and very sweet.

## Tom Watson\*

A large, oblong Melon, the skin of which is dark green, with thick netting on the entire surface, quite distinct from other varieties. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 30 to 40 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. The appearance and quality of this Melon make it desirable for both home and market use.

## Improved Kleckley's Sweets\*

Oblong, medium early and of fair size. Skin is dark green and flesh a bright scarlet. One of the best early varieties for home use.

## Harris' Earliest

A large early melon of oval shape. Skin green striped. Flesh bright red, and very delicious and tender. One of the first maturing melons.

## Ice Cream or Peerless

Rind thin, of a light green color. Flesh bright scarlet and solid to the core. Is very sweet.

## Klondike\*

One of the earliest and best watermelons for the Northwest. It is almost round and grows to a fair size. Skin is of the light striped green color. The flesh is a deep scarlet, very sweet and firm. The rind is thin, making it an ideal melon for the home gardens.

## Gypsy or Georgia Rattlesnake

One of the largest and finest melons grown. Is finding favor with Northern growers, as it is a splendid keeper and shipper. Is oblong in shape, striped and mottled with green. Flesh is brightest scarlet, of sweet and delicious flavor.

## Citron for Preserves

Fruit is round and smooth, and very prolific. It is not edible raw, but makes very fine transparent preserves, of a peculiar fine flavor.

# MUSTARD

## Giant Southern Curled\*

Used largely for salads or greens. Grows very large with a beautiful curled leaf. Very tender and of fine flavor.

## PRICE LIST OF WATERMELON, MUSTARD, OKRA

WATERMELON	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
Winter Melon .....	\$0.05	\$0.10	\$0.30	\$1.00
Fordhook Early .....	.05	.10	.30	1.00
Tom Watson .....	.05	.10	.30	1.00
Improved Kleckley's Sweet.....	.05	.10	.30	1.00
Harris' Earliest .....	.05	.10	.30	1.00
Ice Cream or Peerless.....	.05	.10	.30	.90
Klondike .....	.05	.10	.30	1.00
Gypsy or Georgia Rattlesnake..	.05	.10	.30	.90
Citron .....	.05	.10	.30	.90
MUSTARD	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
Giant Southern Curled.....	\$0.05	\$0.10	\$0.30	\$1.00
White Seeded .....	.05	.10	.25	.75
OKRA	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
Mammoth Long Podded.....	\$0.05	\$0.10	\$0.30	\$1.00
Dwarf Green .....	.05	.10	.30	1.00
White Velvet .....	.05	.10	.30	1.00

# OKRA

**CULTURE.** Sow the seed thickly in rich ground as soon as the ground has become warm, in drills 3 feet apart and one inch deep. Thin out to ten inches apart and cultivate freely.

## Mammoth Long Podded

Very productive and bear dark green pods from 8 to 9 inches long.

## Dwarf Green

Grows low, but stocky and is very prolific.

## White Velvet

Has long smooth white pods which are very tender until almost full grown.

# ONIONS

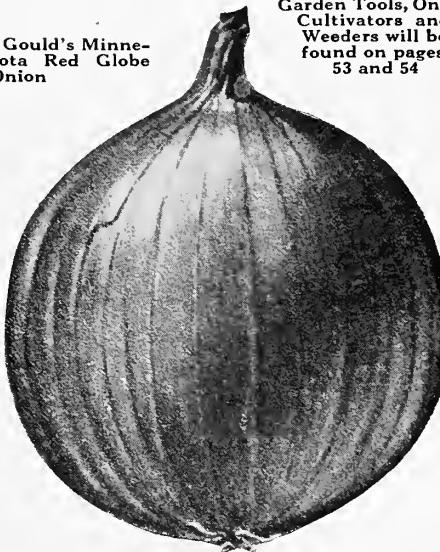
## Gould's Minnesota Globe Onions

Everywhere Globe Onions bring the best prices and since our Minnesota Red, Yellow and White strains are the most highly developed of all globes we confidently recommend them to growers who want onions that will top the market.

A sound, well-ripened onion crop can be put away in the Autumn and held for 6 to 8 months under suitable conditions with a shrinkage of not much more than a pound per bushel per month. Experienced growers are careful, however, to plant a select strain of seed which has been bred to produce long-keeping, perfectly ripened bulbs. Consequently the demand for our Minnesota strains is continually increasing; many growers now place their orders a year in advance.

**CULTURE.** Sow just as early as possible, that is, when the ground can be worked up nicely. Have your seed bed in perfect shape, for onions are slow in coming up and require close cultivation. It is sometimes advisable to mix a few radish seeds with your onion seed so as to allow for earlier cultivation. One ounce of seed will sow 200 feet in drill  $\frac{1}{2}$  inch to 1 inch deep, 4 to 5 pounds of seed to an acre drilled 13 to 14 inches apart for hand cultivation or 20 to 22 inches apart for cultivating with horse. Cultivate often. Do not allow soil to bake.

Garden Tools, Onion  
Cultivators and  
Weeders will be  
found on pages  
53 and 54



## RED VARIETIES

### Gould's Minnesota Red Globe\*

This beautiful strain of Red Globe onions is the result of many years selection. For trueness of type, perfection of color and long keeping qualities, it is recognized as the best there is. The color of Minnesota Red Globe is a deep blood-red, extra dark, while the surface is smooth and glossy. The flesh is white, tinged with light purple, fine grained and unsurpassed in flavor.

### Large Red Wethersfield

One of the oldest and best known types of red onions. It is large and quite flattened. Used extensively now for growing sets. Skin is purplish red, smooth and glossy; flesh white, slightly tinged with pink, and strong flavored. Grows well on poor or dry soil, and is a sure cropper and heavy yielder.

### Southport Red Globe

A standard Red Globe onion of very good quality, and attractive in color. This onion is very uniform both in size and shape. Grows to a diameter of from two and a half to three and a half inches.



## ONIONS—Continued

### WHITE VARIETIES

#### Gould's Minnesota White Globe\*

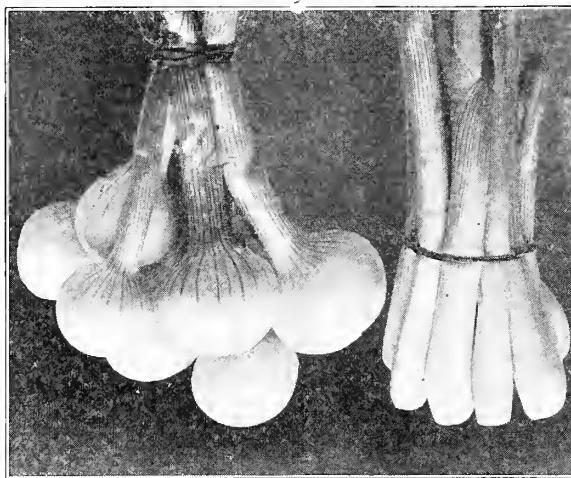
Without a doubt the best White Globe onion grown. It is pure white, mild, and a good keeper. Being much milder than the red or yellow varieties, it is much preferred for family use. Our Minnesota White Globe Onion is one of the very finest varieties in existence.

#### Southport White Globe

Is a standard of the White Globe varieties. Flesh is crisp, mild, fine grained and pure white. Bulbs should be stored in a cool dark place as soon as matured.

#### Gould's Pickling

For early bunching or pickling and also for sets. It is pure white, round, and very firm and mild in flavor. A splendid keeper.



White Bunching Onions

White Welsh Onions

#### White Bunching\*

An extra early, round, white variety. It is exceptionally fine for early bunching, table, and for boiling. Matures large, snowy white onions.

#### White Welsh

A very hardy perennial onion. Used only for early bunching or table onion. Grows a very tender stem. Seed may be sown in August and September in drills 14 inches apart, for spring onions.

#### Mammoth Silver King

A very beautiful onion of silvery white color, tender and mild in flavor. Very desirable for bunching, as a boiling onion, or for creaming. Grows large, is a good producer.

## YELLOW VARIETIES

#### Gould's Minnesota Yellow Globe\*

This variety of Yellow Globe onion, like our Minnesota Red Globe, is a most select strain of Yellow Globe onion. It is perfect in shape, and in color, also having all the best keeping qualities obtainable.

#### Gould's Prizetaker\*

Is without a doubt the largest onion that can be successfully grown in a Northern climate. It has a straw colored skin of a beautiful appearance, and is a great favorite for hotel and restaurant trade. Is very solid and an excellent keeper.

#### Southport Yellow Globe

A very popular strain of Yellow Globe onion. Matures early and is a good keeper. Skin is of rich brownish yellow, the flesh white, crisp and fine grained.

#### Yellow Globe Danvers

The bulbs are large and globular with very thin necks. The flesh is white and mild and the skin is orange yellow. Is an enormous yielder, a fine keeper, and excellent for shipping.

#### Japanese or Ebenezer

A popular Eastern set variety. The bulb is of medium size, pure deep yellow, flat, very firm and hard. It ripens down well and makes a bulb of excellent keeping quality. This is an onion you should try.

#### White Portugal or Silver Skin\*

Of medium size, ripening early and uniformly. Has a delicate and mild flavor. Used largely for pickling and early bunching, also for white bottom sets.

#### Onion Sets

Sets will be forwarded as soon as danger of freezing in transit is over unless otherwise stated on your order. See next page for prices on sets, also Special Price List for larger quantities.

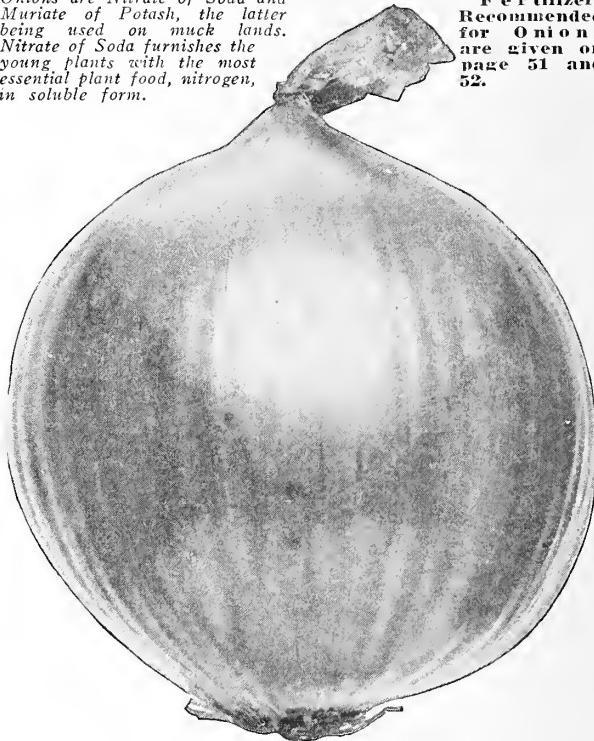
#### Quality

The importance of high quality is especially emphasized in Onion Seed. The difference in yield between the best and ordinary seed may be 50 to 100 bushels per acre. Buy the best seed you can get. It will pay.

#### Fertilizers

The two principal fertilizers for Onions are Nitrate of Soda and Muricate of Potash, the latter being used on muck lands. Nitrate of Soda furnishes the young plants with the most essential plant food, nitrogen, in soluble form.

Fertilizers Recommended for Onions are given on page 51 and 52.



Gould's Minnesota Yellow Globe Onion

#### PRICE LIST OF ONIONS

RED VARIETIES	Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	@ Per Lb.
Gould's Minnesota Red Globe	\$0.05	\$0.25	\$0.75	\$2.25	\$2.00	
Large Red Wethersfield	.05	.20	.60	2.00	1.75	
Southport Red Globe	.05	.20	.60	2.00	1.75	
WHITE VARIETIES	Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	@ Per Lb.
Gould's Minnesota White Globe	\$0.05	\$0.35	\$1.00	\$3.00	\$2.75	
Southport White Globe	.05	.35	1.00	3.00	2.75	
Gould's Pickling	.05	.30	.90	2.75	2.50	
White Bunching	.05	.25	.75	2.25	2.00	
White Welch	.05	.25	.75	2.25	2.00	
Mammoth Silver King	.05	.30	.90	2.75	2.50	
White Portugal or Silver Skin	.05	.30	.90	2.75	2.50	
YELLOW VARIETIES	Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	@ Per Lb.
Gould's Minnesota Yellow Globe	\$0.05	\$0.25	\$0.75	\$2.25	\$2.00	
Gould's Prizetaker	.05	.20	.60	2.00	1.75	
Southport Yellow Globe	.05	.20	.60	2.00	1.75	
Yellow Globe Danvers	.05	.20	.60	2.00	1.75	
Ebenezer or Japanese	.05	.25	.75	2.25	2.00	



## Bermuda Onion Plants

All plants are grown in open field, thereby assuring strong, hardy plants. They are tied one hundred plants to the bunch, and packed 6,000 to the crate. Planting about 3 inches apart in 16 inch rows will require 100,000 plants to the acre. In small lots these are offered at: White Wax. Express paid. Per crate of 6,000.....\$7.50 Yellow Bermuda. Per crate of 6,000. Express paid.. 7.00 100 plants, postpaid, of either variety..... 0.50

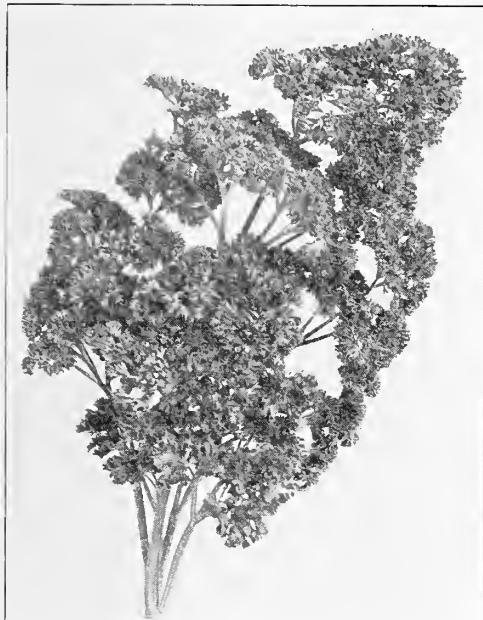
No orders can be accepted after May 1st.

## Onion Sets

Prices below are those existing at the time this book is being printed—January 5, 1928—and are subject to change. See special price list for latest quantity prices. Prices on Onion Sets do not include postage.

	1 lb.	5 lb.
White Bottom, sets .....	\$0.30	\$1.25
Yellow Bottom, sets .....	.25	1.00
Red Bottom, sets .....	.25	1.00
Ebenezer or Japanese, sets.....	.30	1.25
Garlic, bulbs .....	.40	1.75

For a real crop of good keeping onions grown from sets we recommend our Ebenezer or Japanese above all others.



Dark Moss Curled Parsley

## PARSLEY

**CULTURE.** Sow in early Spring in drills 14 inches apart,  $\frac{1}{2}$  to 1 inch deep. Parsley requires from 20 to 30 days to show above the ground, therefore it is advisable to sow a few radish or lettuce seeds with the parsley seed as a guide for early cultivation.

### Dark Moss Curled

The leaves are of an extra dark green color. It is a heavy producer, and on account of the densely curled character of its leaves a quantity can be gathered in a short time.

### Double Curled

Fine dwarf crimped leaves. Very similar to the Dark Moss Curled excepting that leaves are a little finer curled.

### Hamburg or Turnip Rooted Parsley

The edible roots of this variety resemble a small, thick parsnip in shape and color. They may be stored for the winter and used for flavoring soups, stew, etc. The flesh is white, a little dry, with the flavor of Celeriac.

## PARSNIPS

**CULTURE.** Work the soil very deep and pulverize the seed bed thoroughly. Sow the seed in early Spring,  $\frac{1}{2}$

to 1 inch deep, in rows 18 inches apart.

As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 4 inches apart in the row.

Cultivate sufficiently to keep the soil loose throughout the season. Freezing improves the quality of Parsnips for table use, so it is customary to take up in the Fall when the ground begins to freeze what will be needed for winter use, leaving the remainder to winter over in the ground, or better still, pitting them as is often done with other roots so that access may be had to them at any time.

One ounce of seed for 200 feet of row; 3 lbs. seed required for an acre.

### Hollow Crown\*

Better known and more generally grown than any other sort. The roots are smooth, large, tender and sweet and of the best quality. This variety is easily distinguished by the leaves arising from a cavity on the top or crown of the root.

### Sweet Marrow

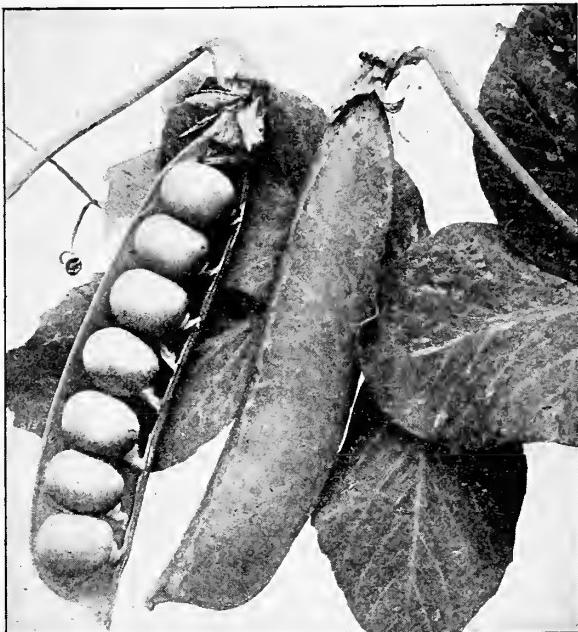
A very desirable variety for both home garden and market. Is fine grained and exceedingly sweet, with roots smooth and attractive in appearance.

### Guernsey

A very good parsnip for the home garden. Being shorter than other varieties it is easier to dig up. Roots are very smooth, the flesh fine grained and excellent quality. A heavy producer.

## PRICE LIST OF PARSLEY AND PARSNIPS

	Pkt.	Oz.	1/4 lb.	1 lb.
PARSLEY				
Dark Moss Curled.....	\$0.05	\$0.15	\$0.45	\$1.25
Double Curled.....	.05	.15	.45	1.25
Hamburg or Turnip Rooted.....	.05	.15	.45	1.25
PARSNIPS				
	Pkt.	Oz.	1/4 lb.	1 lb.
Hollow Crown.....	\$0.05	\$0.10	\$0.30	\$1.00
Sweet Marrow.....	.05	.10	.30	1.00
Guernsey .....	.05	.10	.30	1.00



American Wonder Peas—See next page

## PEAS

### Hardy, Northern Stock

Our Peas are Northern grown. They are produced at an altitude of 5,000 feet or more, making them the earliest, hardest, and most productive Peas obtainable. In addition, the localities where they are raised are free from insects and other damaging pests. Much skill and knowledge is required to grow Seed Peas properly. Our Peas are carefully grown, kept true to type, are bright, handsome, sound and of strong germination.

#### CULTURE FOR GARDEN PEAS

Sow seed 2 inches deep in rich soil very early in the Spring and for a succession put in varieties that mature at different periods or if dwarfs only are desired, sow a few rows every 10 days throughout the season. For



hand cultivation sow in rows 15 inches apart, but if grown on a large scale it is best to sow in rows from 2 to 3 feet apart and cultivate them with a horse. One lb. of seed will plant 100 ft. of row; 75 to 100 lbs. of seed required to an acre.

## EXTRA EARLY DWARF WRINKLED VARIETIES

### Little Gem

Height 16 to 18 inches. It is a few days later than the American Wonder, but slightly larger and will bear for a longer period than other varieties. The Peas are green, wrinkled, of sweet, delicious flavor, and excellent quality.

### American Wonder

This variety heads the list of Peas in flavor and quality. The vines bear a great abundance of good sized pods containing 5 to 8 large, exceedingly sweet, tender and well flavored Peas. This is the earliest of the dwarf, wrinkled varieties, being nearly as early as the smooth sorts. The seed is medium sized, wrinkled and pale green. These Peas are especially adapted to family use as they require no brush or other support. Grow to a height of about 10 inches.

### Little Marvel

An extra fine dwarf pea of the early wrinkled variety, with vines growing to about 14 inches high. Pods are about 3 inches long of a dark green color. Peas are very sweet and tender. Especially suited for home gardens and early market gardening.

### Nott's Excelsior

A standard extra early dwarf wrinkled pea. The foliage is stout and heavy, about 12 inches high with an abundance of pods containing 6 light green wrinkled peas each. The Peas are unsurpassed in sweetness and quality and are very desirable for both the home and market gardener.

## LARGE EARLY WRINKLED VARIETIES

### Carter's Daisy or Early Dwarf Telephone\*

This pea is always in great demand owing to its earliness combined with its large pods and excellent quality. It is very desirable for early market, always obtaining top prices. Vines are very vigorous, reaching about 18 inches, with well filled pods measuring from 3 to 4 inches. Vines require no support, so it is an ideal variety for use where brush or stakes are not available.

### Gradus, or Prosperity\*

One of the earliest wrinkled variety. This large podded, prolific variety has won the hearts of market gardeners everywhere. The vines are very vigorous and robust, growing to a height of about 2½ feet. It is not only an abundant producer, but bears continually throughout the season. It is exceedingly early for a wrinkled variety, being only a few days later than the earliest, small, smooth sorts. The pods are very large and are invariably well filled with from six to nine sweet, tender, wrinkled Peas of large size and delicious flavor. The Peas remain tender for some time after they are large enough to use.

### Thomas Laxton\*

Large podded, extra early Pea. This fine early Pea was raised by crossing Gradus with the Alaska. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. It is of harder constitution than the Gradus and is earlier and of darker colored pod. In flavor this Pea is unsurpassed. A very popular variety for the market gardener.

### Laxtonian\*

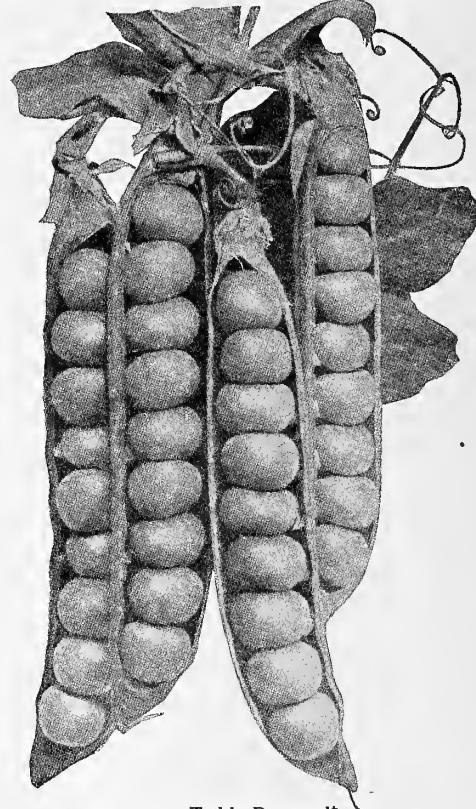
A new first early Pea of unexcelled value. It is not only early but is of splendid quality and unusually productive. Although it is a dwarf sort, growing only to 18 inches in height, it excels in yield and equals in size of pod, the Gradus. The pods are deep bluish-green, pointed at the end, generally borne singly and measure 4 to 4½ inches in length. The peas number 7 to 10 to the pod, are large in size and of delicious flavor. The vines are vigorous in growth, deep green in color and require no support.

## MAIN CROP VARIETIES

### Telephone\*

Another leading Pea with market gardeners. It comes into bearing fairly early, yields abundant crops of large, fine appearing pods and Peas that are sweet and luscious. This variety meets with the ready approval of buyers, when placed on sale and is therefore a popular sort with Pea growers. It is a great cropper,

continues long in bearing, and fills the basket quickly. The vines grow about 3½ to 4 feet in height, are very vigorous and strong and have large, coarse, light colored leaves. Each vine bears on an average seven to ten pods, which are ready for picking in about 65 days. The immense pods are straight, and of fine appearance, and contain eight to nine large, wrinkled Peas, closely packed, tender, sweet and of exquisite flavor. The seed we offer has been carefully selected and is very prolific and is sure to please all who grow this popular variety.



Teddy Roosevelt

### Teddy Roosevelt\*

One of the best of the large dark podded Telephone types and one of the most productive and surest yielders. The vines grow to a height of 4 feet, producing in large numbers, large, well filled pods of a dark green color, each pod containing from 8 to 9 large wrinkled peas of splendid quality. This grand Pea resembles the Telephone in color of pod and foliage, and in habit of growth; but the pods are larger and contain more Peas. A bushel of pods will shell out nearly twice as many Peas as the Telephone. Nothing in the long line of Peas excels the Teddy Roosevelt in richness, sweetness and flavor, and it ought not take a gardener long to figure out that a bushel of pods that will give as many Peas as two bushels of other varieties is the kind to grow. The demand is so great every year for Teddy Roosevelt Peas that our stock is usually exhausted early in the season.

### Hundredfold

This Pea may be described as an improved Laxtonian as it resembles that variety very much but is a little larger and more prolific. Vines grow to a height of 16 to 18 inches, pods dark green, 3¾ to 4 inches long, fairly broad and pointed and containing 8 large dark green peas of excellent quality. This is a very fine home garden Pea.

### Alderman\*

This is a very large podded Pea, very robust and vigorous, producing pods of the largest size. The pods are even larger and longer than the average large podded sorts, and are well filled with large Peas of most excellent flavor. In habit, the vines are strong and branching, bearing rich, deep-green, straight, handsome pods averaging 4½ to 5 inches in length, pointed at the end. This variety belongs to the tall growing main crop of Peas. The vines are from 3½ to 4 feet in height. A point of superiority which must not be overlooked is the unusual flavor and quality of the Peas. As is true of most wrinkled varieties they are delicious, but the Alderman is of a quality surpassing many of the others. Also a good sort for shipping.





## SEED POTATOES

In selecting our stock of seed potatoes we endeavor to secure the best that money can buy. Some varieties are grown for us in the Red River Valley, while others are obtained in Wisconsin and Northern Minnesota.

We exercise the greatest care in sending out stock that is true to type, sound and free from disease, but still we would advise treating with Formaldehyde before planting, as the soil may be previously infected.

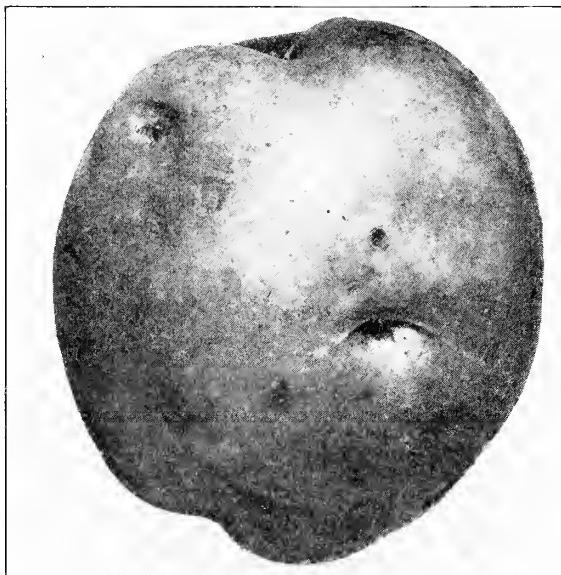
**Directions for treating potatoes with Formaldehyde to prevent scab and several other equally destructive potato diseases:** Soak the tubers (before cutting) one and one-half hours in a solution made at the rate of one pound of Formaldehyde to thirty gallons of water or for small quantities, 1 ounce to 6½ quarts of water. Then cut and plant as usual.

### Treating Potatoes with Corrosive Sublimate

Most Experiment Stations recommend the Corrosive Sublimate treatment for the control of shigdonia in potatoes. Dissolve 4 ozs. of Corrosive Sublimate in a small quantity of hot water and dilute to 30 gallons. After treating three batches discard and use new solution. Use only earthenware or wooden containers with Corrosive Sublimate as it will corrode any other material.

### Treating Potatoes with Semesan-Bel

Special Semesan-Bel booklet giving full information and instructions on the treatment of potatoes against disease, etc., will be sent on request. See Insecticide page for prices on Formaldehyde, Corrosive Sublimate and Semesan.



Irish Cobbler Potato

### Early Triumph

This is the earliest potato grown in many states. The size is from medium to small and almost round. The skin is red but the flesh is white and firm. It is a good keeper and a favorite with many as it is about 7 to 10 days earlier than the Ohio.

### Rural New Yorker

A very widely grown round, white, late potato, yields well and is an excellent keeper. It is a good market variety and is in considerable demand for shipping. It will do well on almost any mineral soil. Matures late in the season and fits the requirements of Central and Southern Minnesota.

### Green Mountain

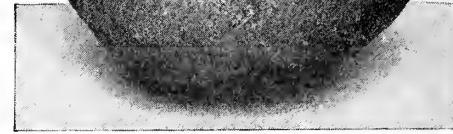
A desirable late white potato, similar to the Rural New Yorker, but is a more oblong rectangular tuber. It is better suited to rich heavy soils than Rural New Yorkers, as the tubers are not likely to grow hollow. A popular variety in North Central and North Eastern Minnesota.

#### DATE OF SHIPMENT

Potatoes will be shipped at any date ordered, but where no special instructions are given to the contrary, we will hold same until in our judgment there will be no danger from freezing.

### PRICES

**Seed Potato**  
Prices will be  
found on Special  
Red Figure Price  
List



Early Ohio Potato

### Early Ohio Red River Valley Stock

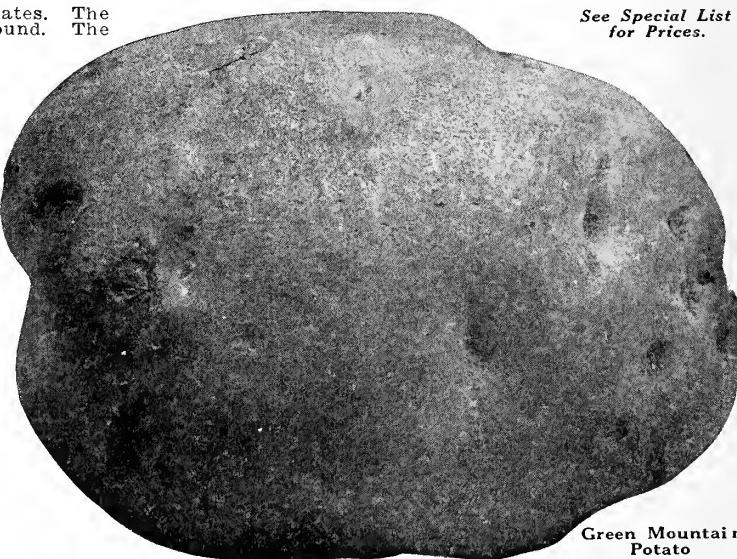
The Early Ohio potato is so well known that a description of it is unnecessary. Our stock is exceptionally fine being clean, bright and uniform in size. For early market it has no equal. It is a good keeper notwithstanding its earliness. This potato is in more demand than any other variety and can be depended on to give a uniformly good yield under almost all conditions and soils. Has a very smooth pinkish skin, shallow eyes and blunt ends.

### Irish Cobbler

Our stock of Irish Cobbler is grown in the Red River Valley where the potato scab is practically unknown. It is a very early round white potato somewhat flattened with rather deep eyes and medium to large in size.

The Irish Cobbler is a very vigorous grower and is not as liable to be diseased as other varieties. It is a heavy yielder and a good keeper, and especially well adapted to peat soils in Minnesota.

See Special List  
for Prices.



Green Mountain Potato



## PUMPKINS



Field Pumpkins Pay a Big Return For Either Stock Feeding or Market

**CULTURE.** Pumpkins may be planted with corn by planting the pumpkin seed in every 4th or 5th row of corn one way by every 3rd or 4th row across, dropping 4 seeds in a hill. When raised alone, the hills should be 10 feet apart each way, dropping 6 or 7 seeds in a hill and cultivating both ways. Cultivate with a section of the harrow. Use Paris Green and Land Plaster or Corona Dry to control the striped squash bugs. One ounce of seed will make 15 hills, and about 2 pounds are needed for an acre.

## Early Sugar or Pie★

This pumpkin is small, round, slightly ribbed, skin and flesh deep orange. Flesh is very thick, fine grained, sweet and of finest quality. A big yielder. One of the best for pies.

All Flower and Vegetable Seeds in less than pound lots are sent Postpaid



Early Sugar or Pie Pumpkin

## PRICE LIST OF PUMPKINS

	Pkt.	Oz.	1/4 lb.	1 lb.
Connecticut Field .....	.05	\$0.10	\$0.30	\$0.75
Large Cheese or Kentucky Field .....	.05	.10	.30	.75
Winter Luxury .....	.05	.15	.45	1.50
Japanese .....	.05	.20	.60	2.00
Early Sugar or Pie.....	.05	.15	.45	1.50
Gould's Mammoth Field.....	.05	.15	.45	1.50

## Connecticut Field★

The standard field Pumpkin. It is largely grown for stock feeding, but is also generally used for pumpkin pie and canning. The outside is reddish orange in color, the inside orange yellow. Is very solid, fine grained and slightly ribbed. Strong and vigorous grower.

## Large Cheese or Kentucky Field

Large, round, flattened, hardy and productive. A fine keeper. Thick flesh of extra fine quality. A fine sort for family and market use. It is also grown quite extensively for stock feeding.

## Winter Luxury

Round, medium in size with a golden yellow skin, closely netted. Exceptionally fine for pies and a good keeper. Flesh is thick, sweet, tender and of fine flavor.

## Japanese

An early summer variety. Skin is a deep green, with dark stripes, turning to a rich golden yellow. Flesh is deep yellow and of fine quality. Matures early.

## ANOTHER PRIZE WINNER

"I won first prize at the Shakopee Fair this summer for Irish Cobbler potatoes, from seed stock I secured from you."

Andrew Colliard, Shakopee, Minn.

Nov. 15, 1926

## Gould's Mammoth Field

One of the largest and best, especially for stock feeding. It is also a good keeper.

## RADISH

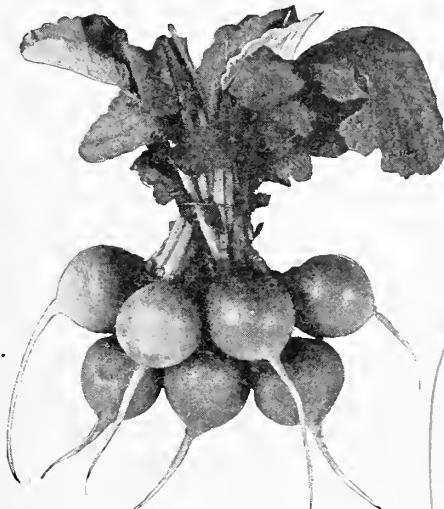
**CULTURE.** Radish should be grown on good rich sandy loam. Avoid seeding in soil where you have had any root crop that became infested with root maggot, if possible. As a preventive of maggots it is well to treat your soil with a good dressing of Tobacco Dust, or Carbola. By using these preparations at intervals of about ten days, you will be able to overcome the maggot nuisance.

Plant your radish one-half inch deep in rows 12 to 14 inches apart as soon as the soil is in condition to work nicely in the spring. When the plants are about one inch high, thin enough to avoid crowding. Cultivate often and shallow to retain moisture and destroy weeds.

## EARLY ROUND RADISHES

## Gould's Early Scarlet Globe★

A selected forcing strain especially adapted to hotbed growing, but may be grown outdoors also with good results. The shape is a little longer than round and the color, which it holds long after pulling, is very brilliant and attractive. A standard for the market gardener.



Gould's Famous Early Scarlet Globe Radish

## Gould's Reliable Forcing★

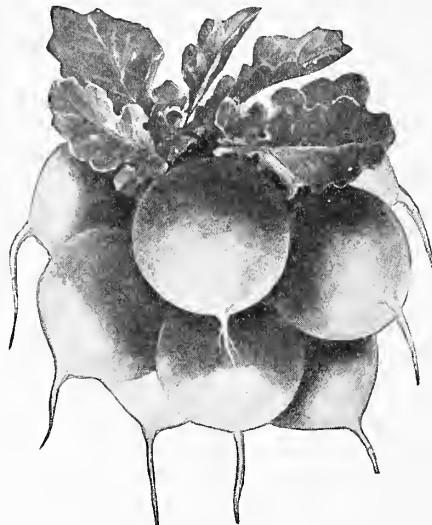
Is the earliest of the forcing type. It is of a beautiful bright scarlet, producing a very small top, making it very desirable for forcing.



## RADISH—Continued

### Gould's Scarlet Turnip White Tip\*

A special strain of white tip radish, the best of its kind ever offered. It is very early and does equally well for forcing and for outdoor culture. The flavor can not be excelled, it being sweet, mild and crisp. The color is a bright scarlet with white tips, making a particularly fine appearance on the table.



Gould's Scarlet Turnip White Tip Radish

### Early Deep Scarlet or Non Plus Ultra

This is an early forcing variety with small tops. The roots are small, globe shape, very deep red. The flesh is white, crisp and tender. Roots usually grow up ready to pull in about 3 weeks.

### Early Scarlet Turnip

Round, red, turnip shaped radish. Grows quickly. Of rich scarlet red color, flesh white, crisp and tender. Very popular for early outdoor planting.

### Sparkler

Another old time favorite with the market gardeners. The roots, even when fully developed, are solid, crisp and sweet. The color is a rich carmine with a pure white tip. The tops are small, but large enough for bunching. Equally well adapted for forcing in frames or growing in the open ground.

### Yellow Ball

A fine summer variety of quick growth. The root is a perfect globe shape with a golden yellow skin, while the flesh is pure white, very firm, mild and crisp. A good producer even in the hottest kind of weather.

## WINTER RADISHES

The merits of winter radishes are little appreciated, probably because they are seldom grown and few people have knowledge of their worth. These grow to large size and keep well for winter and spring use. Sow seed in the middle of June.

### China Rose

Of a bright rose color, flesh solid and crisp. The shape is long, but stump rooted, tapering abruptly to a small tip. One of the best winter varieties.

### Long Black Spanish

One of the largest, latest, as well as the hardiest of all radishes. The shape is oblong tapering to a point, the skin almost black, flesh white and very firm.

### Round Black Spanish\*

A large round turnip shaped root, growing to as much as 3 to 4 inches in diameter. The skin is black, but the flesh is white and an excellent keeper.

## LONG VARIETIES

### Long White Summer or White Strasburg

A large, medium long sort with heavy tapering shoulders. Flesh and skin pure white. Firm and crisp. A fine summer variety that resists drought.

### White Icicle

Matures long and slender radishes of pure white skin and flesh. It is crisp and tender both when young and until it attains a large size, making it a desirable sort for the home gardens. Makes a very attractive appearance on sale or on the table.

### French Breakfast

A great favorite for open ground or forcing. Beautiful bright scarlet, with pure white tip. Oblong in shape, of medium size, and a rapid grower. It is a fine table variety on account of its excellent quality and attractive appearance.

### Long Scarlet Short Top

A standard and popular well known long red radish of good quality. Matures to a size of about 6 inches but it can be used before fully grown. Used extensively by both market and home gardeners.

## PRICE LIST OF RADISH

<b>EARLY ROUND RADISHES</b>					
Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	
Gould's Early Scarlet					
Globe	\$.05	\$0.15	\$0.45	\$1.25	\$4.50
Gould's Reliable Forcing	.05	.15	.45	1.25	4.50
Gould's Scarlet Turnip					
White Tip	.05	.15	.45	1.25	4.50
Early Deep Scarlet	.05	.15	.45	1.25	4.50
Early Scarlet Turnip	.05	.15	.45	1.25	4.50
Rosy Gem	.05	.15	.45	1.25	4.50
Sparkler	.05	.15	.45	1.25	4.50
Yellow Ball	.05	.15	.45	1.25	4.50
<b>LONG VARIETIES</b>					
Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	
Long White Summer or					
White Strasburg	\$.05	\$0.10	\$0.30	\$1.00	\$4.00
White Icicle	.05	.10	.30	1.00	4.00
French Breakfast	.05	.10	.30	1.00	4.00
Long Scarlet Short Top.	.05	.10	.30	1.00	4.00
<b>WINTER RADISHES</b>					
Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	
China Rose	\$.05	\$0.10	\$0.30	\$0.90	\$4.00
Long Black Spanish	.05	.10	.30	.90	4.00
Round Black Spanish	.05	.10	.30	.90	4.00

## RUTABAGA

### N. K. & Co's. Prize Winner\*

A purple top yellow fleshed variety of good size and exceedingly uniform in appearance. Valuable for table use as well as for stock feeding.

### American Purple Top\*

A hardy productive variety with a small neck; roots are large globe shaped with a very small tap root. The color is a bright yellow with a purple top, flesh solid, tender and sweet.

### Large White

An excellent keeper. Desirable for table and stock. Roots are large, white globe shaped and have a small neck. Flesh is white, firm, and sweet.

## SALSIFY

Culture of Salsify is the same as Parsnips. One ounce of seed will sow 60 feet of row. 5 pounds of seed required for an acre.

### Sandwich Island

Grows to a large size, is of fine quality and flavor. The roots when cooked are very palatable and nutritious with a flavor similar to oysters. A very desirable Winter vegetable.

### Long White French

A well known standard variety. The roots are long, white and smooth.

## PRICE LIST OF RUTABAGA AND SALSIFY

RUTABAGAS	Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.
N. K. & Co's. Prize Winner					
American Purple Top	.05	.10	.30	.75	3.00
Large White	.05	.10	.30	.75	3.00
SALSIFY	Pkt.	Oz.	1/4 lb.	1 lb.	
Sandwich Island	\$.05	\$0.30	\$0.90	\$3.00	
Long White French	.05	.30	.90	3.00	

# SPINACH

**CULTURE.** Sow just as soon as the ground will permit working in Spring. Sow in rows 12 inches apart and one inch deep. If given some protection over winter, Spinach may be sown in the fall for spring use.

**Bloomsdale or Savoy Leaved\***

This is the quickest and earliest growing Spinach. The leaves are narrow, pointed and crinkled and very hardy.

**Round, Thick Leaf**

A popular variety for spring and fall planting. Plants have large, long leaves, spreading out on the ground. Ends of leaves are pointed rather than round.

**Long Standing★**

The leaves are smooth and very dark green. Grows quickly and remains tender a long time. One of the best for the market and Home garden.

**Long Season**

An excellent sort, having very dark, green, tender, crumpled leaves. One of the very best for early spring and successive planting.

**Eskimo or Giant Thick Leaf**

A fine large quick growing, thick leaved variety. Keeps up well before going to seed. A desirable medium early variety for the Home as well as for the Market Gardener.

**New Zealand (*Tetragonia Expansa*)**

This is not a true Spinach. The leaves resemble Spinach to some extent and the product is used in the same way.

**Victoria**

An excellent variety for the home garden as well as for market. The dark green leaves are very large and thick.

# SQUASH

**CULTURE.** Plant when all danger of frost is past. For vining varieties plant in hills 8 to 10 feet apart each way. The early summer or bush varieties may be planted 5 feet apart. Place 8 to 10 seeds in a hill one inch deep. When plants are three inches high thin to 3 or 4 in a hill. Dust with Corona Dry to protect from beetles.

## SUMMER VARIETIES

**White Bush Scallop**

Matures early and will bear quickly. The Squash are large size, somewhat flattened, pure white, with thick flesh of good quality.

**Vegetable Marrow or Long White Bush**

Long and slender, skin and flesh white of delicious flavor. The earliest of summer Squashes. Vines are vigorous and very productive.

**Cocozelle or Italian Vegetable Marrow**

The fruit is long and slender, of a dark green color at first, but when maturing it changes to a lighter green with yellowish stripes. In best condition to use when 6 to 8 inches long. May be sliced and fried or baked.

**Golden Summer Crookneck**

Early and prolific. The fruits are of true crookneck type, heavily warted and of light golden color. Very popular for summer use.

## WINTER VARIETIES

**Chicago Warted Hubbard\***

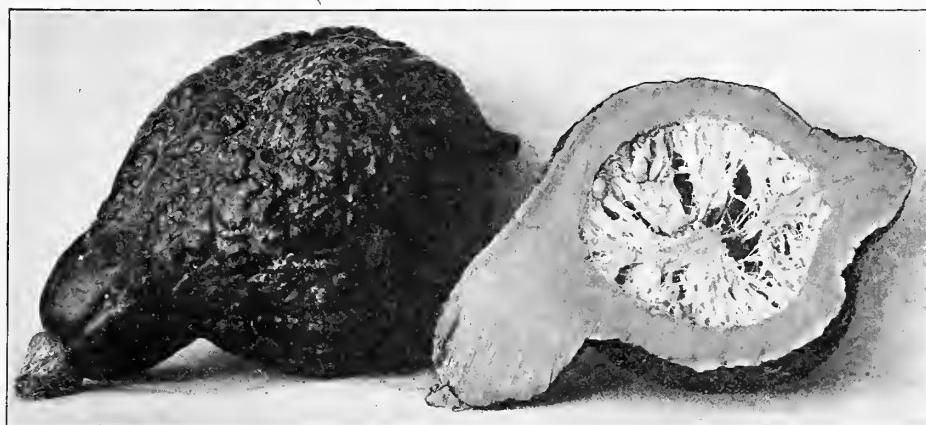
Very similar to Gould's Hubbard, but skin is darker and covered with heavy warts. Also a good keeper.

**Mammoth Chili**

An extra large variety used mostly for stock feeding. Very beautiful in appearance often weighing 75 pounds each. The yield will run from 8 to 10 tons per acre, producing a very cheap and nutritious feed.

**Kitchenette (Hubbard)**

A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experimental Station. Named Kitchenette because of its extremely small size. The Squash average 3 to 5 pounds in weight. They are a glossy dark green, of high quality and keep well in storage. In season are two weeks earlier than other Hubbards. A very fine Squash for home garden and an ideal variety for roadside market or direct producer to consumer trade. A heavy yielder.



Gould's Hubbard Squash

**Gould's Improved Hubbard\***

This Squash is the favorite for long keeping. The skin is rather smooth, of a light, green color. When well matured and dried, it becomes very hard and will keep well into the winter. The vines are of a strong running growth and bear large pear shaped fruit that commands a higher price than any grown from other seed. Flesh is bright orange yellow, fine grained, dry, sweet flavored.

**Des Moines or Table Queen\***

A comparatively new Squash but one that is rapidly gaining favor as a market variety. The vines are vigorous; fruit small acorn shaped, color dark green, almost black; size 6 inches long and 4 inches in diameter, of good quality. Very popular when served in halves. An excellent variety for either home or market garden.

**Delicious**

A medium sized, fall and winter squash with thick fine grained yellow flesh. Many people consider it superior to the Hubbard in dryness, sweetness and flavor. A popular variety with both home and market gardeners.

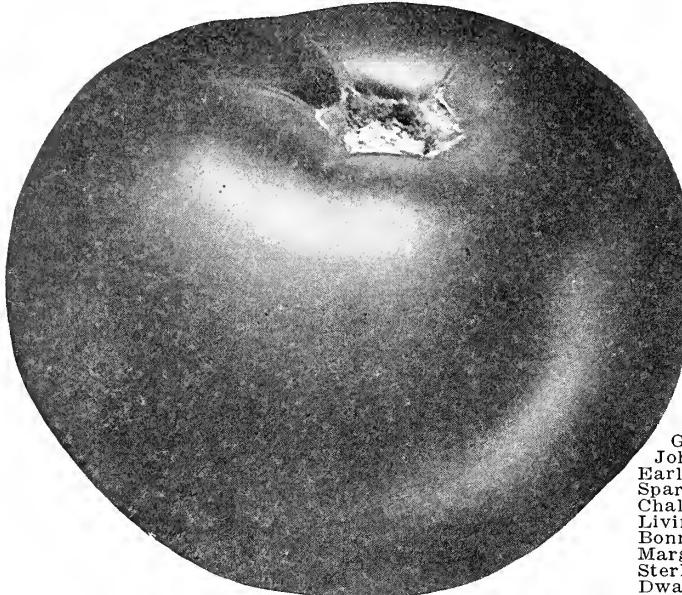
## PRICE LIST OF SQUASH

SUMMER VARIETIES	Pkt.	Oz.	1/4 lb.	1 lb.
White Bush Scallop.....	.05	\$0.15	\$0.45	\$1.50
Vegetable Marrow.....	.05	.15	.45	1.50
Cocozelle or Italian Vegetable Marrow.....	.05	.15	.45	1.50
Golden Summer Crookneck.....	.05	.15	.45	1.50
WINTER VARIETIES	Pkt.	Oz.	1/4 lb.	1 lb.
Gould's Improved Hubbard.....	.05	\$0.15	\$0.45	\$1.25
Chicago Warted Hubbard.....	.05	.15	.45	1.25
Kitchenette.....	.05	.20	.60	1.75
Mammoth Chili.....	.05	.20	.60	1.75
Delicious.....	.05	.20	.60	1.75



# TOMATO

**CULTURE.** Tomato seed should be planted in a box in the house or in hot beds or greenhouse about the 1st of March, then transplanted once or twice to develop the roots to a good size before setting out in the open. Do not set out until all danger of frost is passed, as tomatoes are easily damaged by frost.



Gould's Early Standard Tomato

### Earliana "Private Stock"★

The result of ten years' selection from the most perfect and earliest stock. Produces more uniform fruit of a smooth, perfect shape than any other early variety.

### Spark's Earliana

One of the very earliest sorts. Fruit of fair size, color bright scarlet. A prolific bearer, yielding fruit in clusters.

### Chalk's Early Jewel

An exceptionally fine early variety, about one week later than the John Baer and Earliana. The fruit is uniformly smooth, round and solid, color is crimson. It is a good canner and a good shipper.

### Livingston's Beauty★

One of the smoothest skinned and best of the large sorts. The vines are large, vigorous and very productive. The fruit is large, uniform in size and very smooth. The flesh is pink; very solid and fine flavored. A fine variety for medium early or for main crop.

### Stone

This is one of the most popular of the late varieties. It is a good late canning tomato and is grown in some sections as a market garden variety. The plants are strong and vigorous and produce a heavy yield of fruit where the growing season is long. The fruit is bright red in color, of good size and smooth.

Each spring I purchase Tomato (Gould's Standard) plants grown from your seed, from Mrs. E. J. Hogan, and I wish to say that if I couldn't get plants from your seed, I would not have tomatoes in my garden. This year I set out 37 plants and about 2 weeks ago I counted 837 tomatoes on the vines. This is almost unbelievable but nevertheless is an actual fact. Several tomatoes measured 18 to 20 inches in circumference. I am enclosing a snap shot picture of my vines, but it is impossible to do justice with the camera, as the green tomatoes do not show up in the picture. But it will serve to give you a partial idea of the bearing quality of your seed.

Francis J. Ryan, St. Croix Co., Wis.

September 3, 1926.

### Bonny Best★

A very popular second early variety. Ripens a few days later than Earliana. Vines are vigorous, prolific, fruit red, solid, medium in size, smooth, small core and very uniform in size and color. A very popular variety for early market and also a good home garden tomato.

### Gould's Early Standard★

Gould's Early Standard Tomato is the result of many years of experimenting to obtain a meaty, heavy bearing tomato, that would produce early and continue to bear fruit until frost.

It has no equal for the home garden, or for market, being an excellent keeper, and shipper, fruit being firm, coloring beautifully, producing abundantly from early summer till frost. Flavor is unsurpassed. Unexcelled for canning.

No expense has been spared to make Gould's Early Standard the best tomato grown anywhere.

### Marglobe

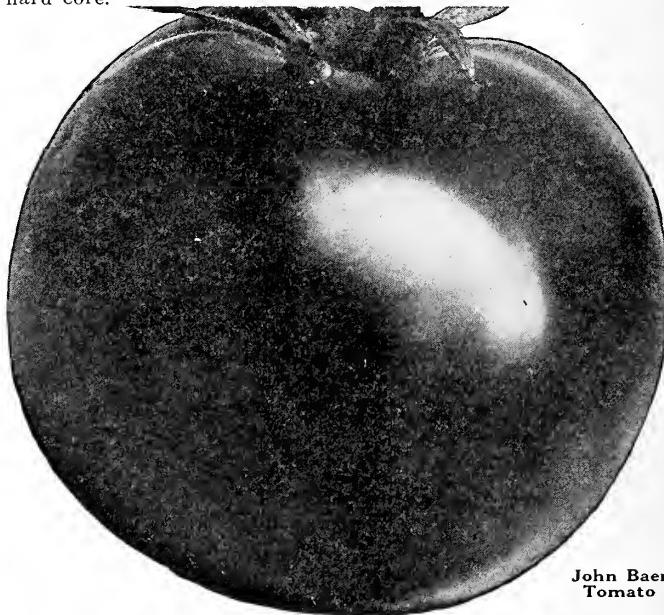
A new blight resistant tomato produced under the direction of Dr. F. J. Pritchard of the United States Bureau of Plant Industry. The plants are very disease resistant. It produces a handsome deep red tomato, of good size with a flavor that is a happy medium between the acid and non-acid sorts. The shape and size makes this a very desirable salad or slicing tomato.

### PRICE LIST OF TOMATO

	Pkt.	Oz.	1/4 lb.	1 lb.
Gould's Early Standard.....	\$0.25	\$5.00	.....	.....
John Baer .....	.05	.35	\$1.00	\$3.50
Earliana Private Stock.....	.25	6.00	.....	.....
Spark's Earliana .....	.05	.35	1.00	3.50
Chalk's Early Jewel .....	.05	.35	1.00	3.50
Livingston's Beauty .....	.05	.35	1.00	3.50
Bonny Best .....	.05	.35	1.00	3.50
Marglobe .....	.10	.50	1.50	4.50
Sterling .....	.05	.35	1.00	3.50
Dwarf Champion .....	.05	.60	2.00	5.50
Stone .....	.05	.35	1.00	3.50
Ponderosa .....	.05	.60	2.00	5.50
<b>SMALL FRUITED VARIETIES</b>				
Golden Husk .....	\$0.05	\$0.50	\$1.50	.....
Yellow Plum .....	.....	.05	.50	1.50
Yellow Pear .....	.....	.05	.50	1.50

### Dwarf Champion

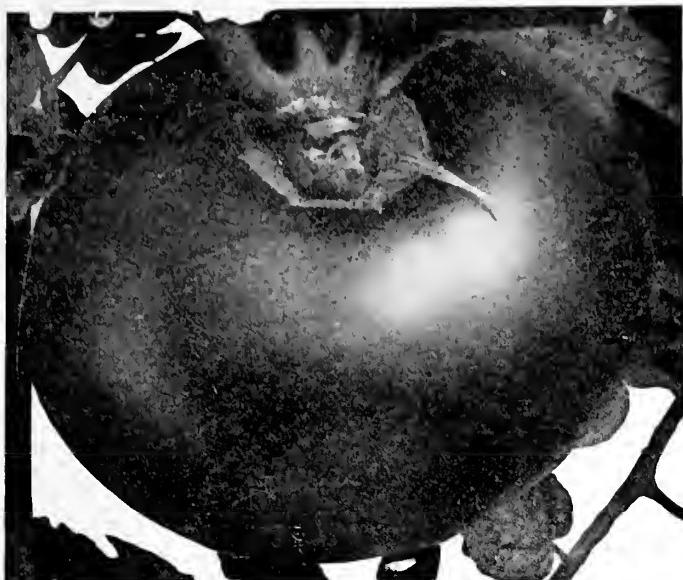
Dwarf and compact in habit. Stands up well even when loaded with fruit, having a stiff, bushy stem. May be planted close together making it desirable for small gardens. The fruit is of a purplish pink color, medium size, smooth, very attractive and fine flavored. Skin is tough and flesh solid, but has no hard core.



John Baer  
Tomato

### John Baer★

Is considered one of the best early tomatoes grown. Fruit is smooth, uniform in size, nearly round, firm and of excellent quality. Will hold up well for shipping. It is a heavy bearer that will last all summer. A favorite with market gardeners, shippers and canners.



Ponderosa Tomato

## TURNIPS

**CULTURE:** Turnips are the easiest to grow of any root crop. Sow in early spring for summer crop, and late in July or early August for late fall crop. One ounce will sow 200 feet in drill; thin to 4 inches apart.

### Early White Model

Is very early and perfectly formed. It is round, white, has short top and a single tap root. It is solid and sweet, very desirable for home garden.

### Cow Horn

Pure white shaded with green at the top. Carrot shaped, grows nearly half out of the ground. Slightly crooked. A very heavy yielder and for that reason it is very often raised for stock feeding.

### Extra Early Purple Top Milan★

Extremely early and of splendid quality. Bulbs of medium size, flat and white, with a bright purple top.

### Extra Early White Milan★

Similar to the Purple Top Milan, except that the roots are a solid clear white.

### Golden Ball or Orange Jelly

The best of the yellow fleshed turnips. The tops are small, roots medium size, round, smooth and deep yellow. The flesh is firm, crisp, and of fine quality.

### Purple Top White Globe★

The most popular sort. A general favorite with all, and more largely grown than any other turnip; will do well to sow either broadcast or in drills and will form good sized bulbs in seven or eight weeks. Of a perfect globe shape with smooth white skin; flesh pure white, firm, sweet and crisp.

### Purple Top Strap-Leaved

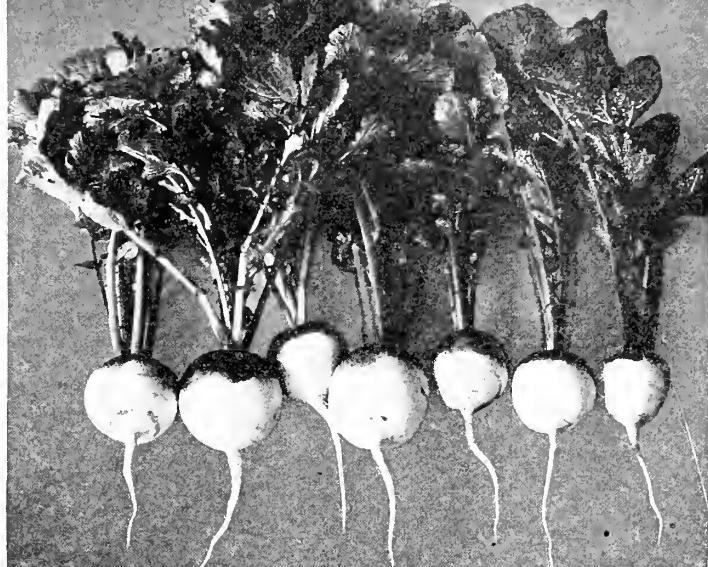
Rather flat and of medium size. Color: purple above ground and white below, flesh white, fine grained and tender.

### White Globe

Perfectly globe shaped, skin white and smooth. Flesh is white and of very good quality.

## PRICE LIST OF TURNIPS

	Pkt.	Oz.	¼ lb.	1 lb.	
Early White Model.....	.05	\$0.10	\$0.30	\$0.75	
Cow Horn.....	.05	.10	.30	.75	
Extra Early Purple Top Milan.....	.05	.10	.30	1.00	
Extra Early White Milan.....	.05	.10	.30	1.00	
Golden Ball or Orange Jelly.....	.05	.10	.30	.75	
Purple Top White Globe.....	.05	.10	.30	.75	
Purple Top Strap Leaved.....	.05	.10	.30	.75	
White Globe .....	.05	.10	.30	.75	



Purple Top White Globe Turnip

## HERBS

Most of the varieties of Herbs thrive best on sandy soil, while some are stronger and better flavored when grown on soil that is rather poor. In all cases the soil should be carefully prepared and well cultivated as the young plants are for the most part delicate and easily choked out by weeds.

Sow as early as the ground can be made ready, taking pains that the soil is fine and pressed firmly over the seed.

**Caraway.** Seed used for flavoring. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, 1 lb. \$1.25.

**Catnip or Catmint.** Used for seasoning. Pkt. 10c, oz. \$1.50.

**Dill.** Used to flavor cucumber pickles. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, 1 lb. \$1.00.

**Marjoram, Sweet.** Leaves used for seasoning. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.00.

**Sage.** For seasoning. Pkt. 15c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.75.

**Summer Savory.** For flavoring soups. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. 90c, 1 lb. \$3.00.

**Thyme.** Used for a headache tea, also for flavoring. Pkt. 15c, oz. 75c,  $\frac{1}{4}$  lb. \$2.50.

## TOMATOES—Continued

### Ponderosa

This is the largest fruited Tomato. It is solid with very small seed cells, of very fine quality for slicing. Some of the fruit is oblong in shape and somewhat ribbed. The color is purplish red. The vines are strong and if staked will grow to a height of 6 or 7 feet, very often bearing fruit that will weigh one pound or more.

### SMALL FRUITED TOMATOES

#### Golden Husk or Ground Cherry

These are greatly valued for preserves or for making pies. Fruit is very sweet and mild in flavor.

#### Yellow Plum

A small yellow fruited variety, finely flavored resembling a plum in size and form. Used mostly for preserving.

#### Yellow Pear

Fruit is pear shaped, slightly larger than the Yellow Plum, of clear yellow color.

#### Tomato Plants

During the month of May we offer a large variety of pot-grown tomato plants. Write for prices.



Asters are beautiful in the garden and for cut-flowers

"What a Beautiful Home!" This remark usually comes not because of unusual design of the architecture of the buildings but from the favorable impression of the plantings which surround the home and grounds. The most humble dwelling may be made into a "Beautiful Home" by proper plantings, a mansion even of superb architecture set in a yard without planting, is unattractive and may even be repelling in its effect. When one desires a real home, planting of the grounds is not a minor consideration, but one that deserves the best thought and most careful consideration.

#### Ten Annuals Suitable For Partial Shade

Asters	Salvia
Clarkia	Schizanthus
Godetia	Snapdragon
Lupine	Sweet Alyssum
Pansy	Sweet Sultan

#### Climbing Vines From Seed

Canary-Bird Vine	Japanese Hop
Cobea Scandens	Morning Glories
Cypress Vine	Nasturtiums
Dolichos	Thunbergia
Echinocystis	

#### Annuals Suitable For Dry Locations

African Daisy	Larkspur
Bachelor Button	Annual Phlox
California Poppy	Poppies
Calliopsis	Portulaca
Godetia	Salvia

#### Annuals Suitable For Edgings

Ageratum	Candytuft
Alyssum	Lobelia
California Poppy	Pansy
Calliopsis (dwarf)	Verbena

#### Annuals Suitable For Poor Soil

Bachelor Button	Godetia
Balsam	Nasturtium
Calendula	Nigella
California Poppy	Poppies
Calliopsis	Portulaca

#### Plants Suitable For Cemetery Planting

Candytuft	Phlox Annual
Dwarf Nasturtium	Stocks
Pansy	Sweet Alyssum
Peonies	



What a lot of romance in a yard full of beautiful flowers and shrubs!



## AMERICAN ASTERS

(Aster seed treated with Dupont Semesan, a disease preventive.)

**CULTURE.** Sow indoors in March, cover lightly, keep soil moist. When all danger of frost is past, prepare your soil by spading deeply, adding lime to purify. The soil should be rich sandy loam. One Stim-U-Plant Tablet placed under each plant when setting will stimulate the growth. Use Tobacco Dust in the soil around the roots to avoid root lice. Also spray the soil at intervals of two weeks with water containing one Stim-U-Plant Tablet and 4 tablespoons of Tobacco Dust to one gallon of water.

### Extra Early Empress or Early Wonder

These are the earliest blooming Asters known coming into bloom about ten days earlier than Queen of the Market. Height 18 to 24 inches.

Carmine Rose.....	Pkt. 25c	Rose .....	Pkt. 25c
Lavender .....	Pkt. 25c	Mixed .....	Pkt. 25c
Light Blue.....	Pkt. 25c		

### Single Aster Elegance

The single Aster is very attractive and is considered more hardy and easier to grow than double varieties.

Deep Blue.....	Pkt. 15c	Lavender .....	Pkt. 15c
----------------	----------	----------------	----------

Deep Rose .....	Pkt. 15c	White .....	Pkt. 15c
-----------------	----------	-------------	----------

**Giants of California (Double)**

A novelty of merit toward the perfection of Asters. It has the vigor of the Crego and bloom of the Ostrich Feather, measuring from 5 to 6 inches in diameter.

White .....	Pkt. 25c	Dark Purple .....	Pkt. 25c
-------------	----------	-------------------	----------

Light Blue.....	Pkt. 25c	Mixed colors.....	Pkt. 25c
-----------------	----------	-------------------	----------

Deep Rose .....	Pkt. 25c	Single mixed.....	Pkt. 25c
-----------------	----------	-------------------	----------

Peach Blossom....	Pkt. 25c		
-------------------	----------	--	--

**ALL FLOWER SEEDS ARE SENT POSTPAID**

### SPECIAL ANNIVERSARY ASTER OFFER:

One packet each of 4 separate colors of Extra Early Empress. 75c, postpaid.

### Queen of the Market

The earliest good Asters. Blooming two to three weeks in advance of the later sorts. Plants are 15 to 18 inches high, bearing large double blossoms on long stems. Very desirable for cut flowers.

Pink .....	Pkt. 10c	Lavender .....	Pkt. 10c
Peach Blossom....	Pkt. 10c	Purple .....	Pkt. 10c
Dark Blue.....	Pkt. 10c	Scarlet .....	Pkt. 10c
Light Blue.....	Pkt. 10c	White .....	Pkt. 10c
Crimson .....	Pkt. 10c	Mixed colors .....	Pkt. 10c

### Semple's Improved or, Vick's Late Branching

The flowers are large and double upon long robust stems. Height 2 to 3 feet.

Azure Blue.....	Pkt. 10c	Purple .....	Pkt. 10c
Crimson .....	Pkt. 10c	Scarlet .....	Pkt. 10c
Lavender .....	Pkt. 10c	Sensation (deep red) .....	Pkt. 10c
Peerless Pink....	Pkt. 10c	Mixed .....	Pkt. 10c
Perfection White..	Pkt. 10c		
Deep Rose.....	Pkt. 10c	Mixed .....	Pkt. 10c

### Improved Crego Giant Comet Asters

This Aster resembles the chrysanthemum in form, and is unusually large. The plants are strong and vigorous, often growing to a height of two feet.

Azure Blue.....	Pkt. 10c	Purple .....	Pkt. 10c
Deep Rose.....	Pkt. 10c	Pink .....	Pkt. 10c
Crimson .....	Pkt. 10c	White .....	Pkt. 10c
Lavender .....	Pkt. 10c	Mixed colors.....	Pkt. 10c

### The New Astermum

A strain of Comet Asters which on account of their immense size and chrysanthemum-like appearance have been appropriately named Astermum.

Lavender .....	Pkt. 10c	White .....	Pkt. 10c
Pink .....	Pkt. 10c	Mixed colors.....	Pkt. 10c



Calliopsis—See page 28.

### Acroclinium

A very pretty Everlasting, producing an abundance of double daisy-like flowers with yellow centers.

White Pkt. 10c	Rose Pkt. 10c	Mixed Pkt. 10c
----------------	---------------	----------------

### Ageratum

One of the best bedding and border plants, blooming from early summer until frost.

Blue .....	Pkt. 10c	White .....	Pkt. 10c
Pink .....	Pkt. 10c	Mixed colors.....	Pkt. 10c

### Dwarf Blue.....Pkt. 10c

### Alyssum, Sweet

A very pretty plant for borders, beds or rock work.

White Common	Pkt. 5c
--------------	---------

Little Gem	Very dwarf and spreading, making one mass of white blossoms from spring until fall.
------------	---

Pkt. 10c	
----------	--



ANTIRRHINUM OR  
SNAPDRAGON

Bunch of Lilac, lilac purple.....	Pkt. 10c
Canary Bird, canary yellow.....	Pkt. 10c
Cattleya, rosy lilac .....	Pkt. 10c
Cerberus, carmine rose with yellow lip.....	Pkt. 10c
Copper King, velvety copper scarlet.....	Pkt. 10c
Diamond, golden yellow with lilac throat.....	Pkt. 10c
Golden Queen, deep yellow.....	Pkt. 10c
Indian Summer, velvety copper.....	Pkt. 10c
Nymph, rosy lilac with tube.....	Pkt. 10c
Old Gold, deep golden yellow.....	Pkt. 10c
Purple King, deep glowing purple.....	Pkt. 10c
Snow Flake, pure white, yellow tube.....	Pkt. 10c
The Rose, rose pink.....	Pkt. 10c
Wallflower, red to coppery red.....	Pkt. 10c
All colors mixed.....	Pkt. 10c

#### Special Anniversary Antirrhinum Offer

1 packet each of any six named varieties, 50c postpaid.

#### Arctotis (Blue Eyed African Daisy)

A handsome new annual, forming a branching bush 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, the reverse of the petals being a pale lilac blue. Blooms from early summer until frost. Sow in the open ground when danger from frost is past; cover seed very lightly, but pressing down firmly with board. Pkt. 10c.

#### Bachelor's Button (See Centaurea Cyanus)

#### Balsam (Lady Slipper)

An old and favorite garden flower producing an abundance of brilliant colored double flowers in great profusion. It is easy of culture, does well in good rich soil by sowing out of doors when danger of frost is over. The soil should be well pulverized and the seed covered to a depth of about 4 times their size. Press down firmly

#### Amaranthus

Brilliant foliaged annuals used as centers of large beds or for borders of tall plants. Give plants plenty of room.

**Caudatus or Love Lies Bleeding.** Blood red. Pkt. 10c.

**Tricolor, Joseph's Coats.** Red, yellow, green. Pkt. 10c.

**Salicifolius, Fountain Plant.** Bronzy crimson. Pkt. 15c.

**Sunrise.** A beautiful plant with long, narrow leaves of glowing crimson. Pkt. 15c.

#### Ammobium

A pretty white Everlasting which does very well on sandy soil. Grows 2½ feet high. Pkt. 10c.

#### Anchoria (Cape Forget-Me-Not)

A rare annual, grows two feet high, blooming all summer. It resembles a large beautiful Forget-Me-Not of deep blue color. Thrives well in shade. Pkt. 10c.

#### Antirrhinum (Snapdragon)

##### Tall, Improved Large Flowering

For early blooms, sow indoors in March and set out in the open after all danger of frost. Seed may be sown in the open also about May 1st for late blooming, 15 to 20 inches high.

**Apple Blossom.** rosy pink with yellow lip. Pkt. 10c.

with a board and when plants are three or four inches high they should be thinned to 15 inches apart. The plants that are taken out may be transplanted into other beds. 18 to 24 inches high.

White .....	Pkt. 10c	Salmon Rose.....	Pkt. 10c
Pink .....	Pkt. 10c	Mixed colors.....	Pkt. 10c
Scarlet .....	Pkt. 10c		

#### Beans, Scarlet Runner

The well known rapid growing annual climber, producing bright red flowers from July to September. The foliage being dense, makes it splendid for porches or wherever shade is desired. Pkt. 10c; ¼ lb. 15c; 1 lb. 50c.

#### Brachycome (Swan River Daisy)

A dwarf free flowering plant which makes a very attractive border. Blooms in great profusion for several weeks. The daisy like flowers are blue and white, about 9 to 12 inches tall. Pkt. 10c.

#### Briza (Quaking Grass)

Makes a splendid combination to mix with other Everlastings for winter bouquets. Height, 12 inches. Pkt. 10c.

#### Browallia Elata

A favorite profuse blooming annual covered with blue flowers during the summer and autumn. Plants grow 12 to 15 inches high. Blue, pkt. 10c.

#### Calendula

Free flowering plants of easy culture, succeeding everywhere and flowering continuously. The flowers are double, showy, of large size and pleasing colors. Height 15 to 18 inches.

**Bodger's Golden Forcing.** .... Pkt. 25c

**The Ball,** orange yellow..... Pkt. 10c

**Mixed colors** ..... Pkt. 5c

#### Calliopsis (Tall Annual Varieties)

Showy and beautiful free-flowering annuals, blooming all summer. Excellent for cutting and massing.

**Nigra Speciosa,** dark brown, 24 to 30 inches. Pkt. 10c.

**Bi-color Tinctoria,** yellow, maroon center. 24 to 30 inches. Pkt. 10c.

**Splendens,** golden brown center. 24 to 30 inches. Pkt. 10c.

**Tall annual mixed.** Pkt. 10c.

#### Canary Bird Vine

A beautiful rapid annual climber. The charming little canary bird-like blossoms bear a fancied resemblance to a bird with wings half expanded. Does well in the shade. Grows 10 to 15 feet in a season. Pkt. 10c.

#### Candytuft

Universally known and cultivated. When sown in April will bloom from July until frost. Very hardy and easy to cultivate. 12 to 18 inches high.

**Hyacinth Flowered** Pkt. 10c **Flesh** ..... Pkt. 10c

**Empress White** .. Pkt. 10c **Lilac** ..... Pkt. 10c

**White** ..... Pkt. 10c **Rose Cardinal** ..... Pkt. 10c

**Crimson** ..... Pkt. 10c **Lavender** ..... Pkt. 10c

**Carmine** ..... Pkt. 10c All colors mixed.. Pkt. 10c

#### SPECIAL ANNIVERSARY CANDY TUFT OFFER.

1 packet each of any six colors, 50c postpaid.

#### Cannas

Cannas may be grown from seed very successfully if given the proper care. 18 to 40 inches high. Mixed. Pkt. 10c.

#### Carnation, Marguerite

This new class of carnation blooms in about five months after sowing. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white and variegated. About one-half the blossoms are extremely double, while balance are partly double and single. Most beautiful for cut flowers and very fragrant. Seeds should be sown indoors in February and transplanted to the open when all danger of frost is past. Height, 18 to 20 inches.

**White** ..... Pkt. 10c **Scarlet** ..... Pkt. 10c

**Pink** ..... Pkt. 10c **Crimson** ..... Pkt. 10c

**Striped** ..... Pkt. 10c All colors mixed.. Pkt. 10c

**Yellow** ..... Pkt. 10c

#### Celosia Childsii (Chinese Woolflower)

Plants grow two to three feet high; the bloom starting early with a central globular head which reaches an immense size. Many branches are thrown out, each bearing a woolly-like ball of scarlet. These blooms of scarlet balls will continue to multiply and enlarge until killed by frost. Pkt. 15c.



**Celosia Chrysantheflora (Chrysanthemum Flowered Celosia)**

A new tall growing variety of Celosia, bearing an immense rounded head very similar to a Chrysanthemum, in many colors. Height, 18 to 24 inches. Pkt. 15c.



Marguerite Carnations—See page 28.

**Celosia Cristata (Cockscomb)**

Freely blooming annuals that do better in light soil that is not too rich.

Tall, mixed, 24 to 30 inches high.....Pkt. 10c  
Dwarf, mixed, 8 to 12 inches high.....Pkt. 10c

**Celosia Plumosa (Feathered Cockscomb)**

These are extra fine in groups, similar to the Christata in habit of growth. Blossoms are slender, of a feathery appearance. Height, 18 to 24 inches. Pkt. 10c.

**Centaurea Cyanus (Double Bachelor's Button)**

Produces a mass of very attractive flowers in many colors. It is a very hardy annual and reseeds itself from year to year. 18 to 24 inches high.

White .....Pkt. 5c Maroon .....Pkt. 5c  
Brick Red .....Pkt. 5c Blue .....Pkt. 5c  
Pink .....Pkt. 5c Mixed .....Pkt. 5c  
Rose .....Pkt. 5c.

**Centaurea Imperialis (Sweet Sultan)**

This is without a doubt the most beautiful of all Centaureas. The beautiful, sweet scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for days in good condition. The plant itself is much stronger than any other Sweet Sultan. It is of easy culture and one of the best annuals for cut flowers. Height, 15 to 24 inches.

White .....Pkt. 10c Amaranth Red....Pkt. 10c  
Purple .....Pkt. 10c Lavender .....Pkt. 10c  
Brilliant Rose....Pkt. 10c All colors mixed...Pkt. 10c

**Chrysanthemum**

Annual varieties. These are showy and effective garden varieties. Extensively grown for cut flowers. The foliage is ornamental and finely cut. The single varieties grow 12 to 24 inches high, and produce on long stems, large flowers resembling the daisy, but of many bright colorings in distinct bands or rings. Single mixed.....Pkt. 10c Double mixed.....Pkt. 10c

**Clarkia**

Bright and attractive annuals of easy culture. The long graceful sprays are valuable for table decoration. They thrive in sun or shade, growing 2 to 2½ feet high, with masses of double flowers and buds which will all open in water when cut.

Mixed colors .....Pkt. 10c

**Cobaea Scandens (Cathedral Bells)**

One of the handsomest and most rapid growing of the annual climbers. Climbs twenty to thirty feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean and free from insects. Should be started indoors.

White .....Pkt. 10c  
Blue .....Pkt. 10c  
Mixed .....Pkt. 10c

**Coix Lachryma (Job's Tears)**

An ornamental grass with broad leaves and shiny, pearly-like beads. Height from 30 to 40 inches. Plant early in the spring, four or five seeds in a hill, one-half inch deep, at a distance of 12 or 15 inches apart. Pkt. 10c.

**Cosmidium (Golden Yellow)**

Plants grow two feet tall and produce a succession of blooms all summer. Pkt. 10c.

**Cosmos, Extra Early Double Crested**

The double flowering Cosmos has caused many exclamations of admiration from those who have seen them for the first time. This strain will bloom about seventy-five per cent in doubles and the balance will revert back to the single type.

They grow to a height of about three feet, forming a perfect bush massed with blooms, bearing beautiful flowers on long stems. They bloom in seventy days from seed when sown in the garden and will continue to bloom until frost.

Crimson King.....Pkt. 25c White Queen.....Pkt. 25c  
Pink Beauty.....Pkt. 25c Mixed .....Pkt. 25c

**Gould's Extra Early Flowering Cosmos**

The Cosmos is one of the most attractive of the Autumn flowering annuals. Its graceful flowers borne on long stems, rising above the feathery foliage, are very desirable for cut flowers, lasting for a week or more in water. It is a very prolific bloomer and if the plants are given enough space to develop well, will branch freely, every shoot being covered with a mass of lovely flowers. Cosmos is very effective among shrubby and especially desirable for inter-planting with early blooming perennials, as it fills in the gaps when the latter die down. Our extra early Cosmos is the earliest of



Cosmos—Easy to grow and flower profusely.

its kind, growing to a height of about 4 feet and if seeded in the open as soon as the soil is in condition, or transplanted from plants after all danger of frost, Cosmos will bloom from July until frost.

White .....Pkt. 10c Crimson .....Pkt. 10c  
Pink .....Pkt. 10c Three colors mixed...10c

**Cosmos Hybrid, Klondyke.**

Late flowering orange color or golden yellow. Produces large yellow blooms on long stems. Should be started indoors to insure blooming before frost. Pkt. 15c.

**Cypress Vine**

One of the most popular annual climbers. It has a delicate fern-like foliage and produces a mass of beautiful star shaped flowers. Grows from 10 to 15 feet a season. Pkt. 10c.

**Dahlia Seed**

Growing Dahlias from seed is very interesting, and wonderful blooms are obtained the first season if seeds are started indoors and transplanted out about May 15th to 20th.

Single Mixed.....Pkt. 15c Double Mixed.....Pkt. 15c

**Dianthus or Pinks**

One of the most popular and magnificent flowers in cultivation producing a great variety of brilliant colors in a profusion of bloom. The annual varieties may be sown in the open when danger from frost is past and will bloom from early summer until frost, 12 to 15 inches high. Double Fireball, blood red.....Pkt. 15c Double annuals, mixed colors.....Pkt. 10c Single annuals, mixed colors.....Pkt. 10c Hardy garden pinks, mixed colors.....Pkt. 15c The hardy garden pink will come up year after year without any attention.

**Didiscus Coeruleus (Blue Lace Flower)**

A very attractive light blue or lavender flower produced on long stems. Very fine for cut flowers, and a continuous bloomer. 24 to 30 inches high. Pkt. 10c.

**Dimorphoteca Aurantiaca (Orange African Daisy)**

A rare and extremely showy annual Daisy which blooms freely under ordinary climatic conditions. The plants grow about 15 inches high producing an abundance of orange gold daisy-like flowers with a very dark center. Seeds may be sown and treated like asters. Height, 12 to 15 inches. Pkt. 10c.



**DIMORPHOTEECA AURANTIACA**

**Dolichos (Hyacinth Bean)**

A rapid growing and free blooming annual climber. It is very ornamental and useful for covering trellises, arbors, and porches. Makes a very beautiful combination when interplanted with scarlet runner beans, giving a variety of color. Sow in the open after danger of frost or sow early indoors and transplant outside later. Grows about 10 feet a season.

White .....Pkt. 10c Purple violet.....Pkt. 10c Both colors mixed.....Pkt. 10c

**Echinocystis (Wild Cucumber Vine)**

A well known vine, common in many sections, the quickest climber known for covering verandas, old trees, houses, trellises and arbors. It will withstand the heat and drought and retain its fresh green color until frost. It blooms profusely and is never infested with insects. It will resow itself, and therefore does best if sown in fall. Height, 15 to 20 feet. Pkt. 5c.

**Shrubs, Roses, Fruit Trees,  
Berry Bushes, Grape Vines, etc.**

We issue a special price list on a full and complete line of shrubbery, etc., along about April 1st.

**Eschscholtzia (California Poppy)**

The California Poppy is a showy free-flowering plant so popular with every one, as to scarcely need introduction. 12 to 15 inches tall.

Yellow Fringed.....	Pkt. 5c
Crimson. Carmine Crimson.....	Pkt. 5c
Rosy Queen. Rosy Pink.....	Pkt. 5c
Hybrida Grandiflora Mixed.....	Pkt. 5c

**Euphorbia Variegata (Snow on the Mountain)**

A strong growing annual suitable as a border for beds of tall growing flowers. The bloom is not very showy but the foliage is very attractive and ornamental, being veined and striped with white and green. Height, 18 to 24 inches. Pkt. 10c.



**Gaillardia**

**Gaillardia, (Annual Blanket Flower)**

Remarkable for the profusion, size, and brilliancy of its flowers, blooming from early summer until frost. Fine for cut flowers. 12 to 18 inches high.

Single mixed.....Pkt. 10c Double mixed.....Pkt. 10c

**Godetia**

An attractive annual which is deserving of more general cultivation. The plants do well even in poor soil and partly shaded. The flowers are of a satiny texture in many colors. Height, 12 to 18 inches.....Pkt. 10c

**Gomphrena (Globe Amaranth)**

An attractive Everlasting that produces an abundance of clover-like blossoms in many attractive colors. 15 to 18 inches high. Pkt. 10c.

**Gourds**

Ornamental varieties of very rapid growth, producing many different types of ornaments. Vines grow 10 to 20 feet in a single season.

Calabash .....	Pkt. 5c	Sugar Trough.....	Pkt. 5c
Dipper .....	Pkt. 5c	White Egg.....	Pkt. 5c
Dish Cloth.....	Pkt. 5c	Large mixed .....	Pkt. 5c
Hercules Club.....	Pkt. 5c	Small mixed .....	Pkt. 5c
Giant Bottle.....	Pkt. 5c		

**Gypsophila (Bridal Veil or Baby's Breath)**

Flowers a few weeks after sowing. Its graceful panicles of dainty blossoms and feathery foliage are unequalled for making up bouquets. Sow at intervals during the summer for continuous blooming. 18 to 24 inches high.

White .....	Pkt. 10c	Carmine .....	Pkt. 10c
Pink .....	Pkt. 10c	All colors mixed...	Pkt. 10c

**Helianthus (Sunflower)**

Hardy annuals of sturdy growth, remarkable for the size and brilliancy of the flowers, which are very useful for cut flowers. Effective in forming background of large beds or borders and for distant effect.

**Chrysanthemum Flowered.** Perfectly double, dwarf. Pkt. 10c.

**Minature Sunflower, 4 feet high.....Pkt. 10c**

**Red Sunflower or Gaillardia Flowered Sunflower.**

The flowers are variegated and irregular in color. Some are shaded brown and some shaded red or yellow. Grows from four to seven feet tall.....Pkt. 10c

**Helichrysum (Straw Flower)**

This is without a doubt the best known of the Everlasting type of flowers, and still a very small percentage of flower growers realize the value of Everlasting flowers. One has to see these in winter bouquets with sprays of Statice, Gypsophila, Chinese Lanterns and many others of the Everlastings with their delicate shades of color to appreciate their true value. Grow 15 to 24 inches high.

We are offering the Helichrysum in nine distinct colors and also in the mixed colors.

**Canary Yellow.....Pkt. 10c Salmon Pink.....Pkt. 10c**

**Crimson.....Pkt. 10c Scarlet.....Pkt. 10c**

**Fire Ball.....Pkt. 10c Violet.....Pkt. 10c**

**Golden Globe.....Pkt. 10c White.....Pkt. 10c**

**Rose Carmine.....Pkt. 10c Mixed colors.....Pkt. 10c**



Helichrysum or Everlasting

**Special Anniversary Helichrysum Offer**

1 Packet Each of 9 Named Colors, 75c Postpaid.

**Hollyhocks, Annual**

A comparatively new class of Hollyhocks. Blooms the first year from seed, when sown in April or May. The soil should be very rich, deeply dug, and during dry weather watered liberally. Height, 5 to 6 feet. Single and Double Mixed. Pkt. 10c.

**Humulus Japonicus (Japanese Hop)**

One of the most rapid climbers grown. Seed may be sown in the open ground in Spring and the plants will grow to an enormous size in a very short time. The foliage is luxuriant and is one of the best plants for covering verandas and trellises. It is very hardy, and not affected by heat, drought, or insects. Height 10 feet. Pkt. 10c.

**Tulips**

Tulips can only be planted in the Fall. We carry a large variety then, and a special Fall bulb list is issued about September 15th.

**Hunnemannia**

**Giant Yellow Tulip Poppy or Bush Eschscholtzia.** The best of the poppy family for cut flowers, remaining in a fresh condition for several days. Produces an abundance of brilliant yellow, tulip-shaped flowers from July until frost. 15 to 20 inches high. Pkt. 10c.

**Kochia (Summer Cypress or Mexican Fire Bush)**

An easily grown annual, which if sown thinly in Spring soon forms a cypress-like hedge of lively green and of perfect symmetry, two to three feet high.

The color of the entire plant changes to a deep red in Autumn and if allowed to mature will reseed itself. Pkt. 5c.

**Lace Flower (See Didiscus)****Lantana**

A shrubby plant with Verbena-like flowers in shades of white, red and yellow. Flowers have a very fragrant perfume. Grow in pots and set out in summer. Blooms until late in the Fall. 15 to 24 inches high. Dwarf Hybrids, mixed colors. Pkt. 10c.

**Larkspur, Tall Double**

This is one of the best known garden annuals that is very hardy. It produces long graceful spikes of different colors, very desirable as cut flowers. Height, 15 to 24 inches.

**Bright Rose.....Pkt. 10c Lilac.....Pkt. 10c**

**Ageratum Blue.....Pkt. 10c Lustrous Carmine.....Pkt. 10c**

**Dark Blue.....Pkt. 10c Scarlet Rose.....Pkt. 10c**

**Exquisite Pink.....Pkt. 10c White.....Pkt. 10c**

**Light Blue.....Pkt. 10c Mixed.....Pkt. 10c**

**Special Anniversary Larkspur Offer**

1 Packet Each of Any 6 Colors, 50c Postpaid.

**Linum (Crimson Flax)**

One of the most effective and showy bedding plants, growing to a height of 18 to 24 inches. Flowers are a brilliant scarlet. Pkt. 10c.

**Lupinus**

Free flowering annuals, with long graceful spikes of pea-shaped flowers. Very easily grown. Do best if partly shaded. 18 to 24 inches high.

**Hartwegi Albus. White.....Pkt. 10c**

**Hartwegi Dark blue.....Pkt. 10c**

**Hartwegi Roseus. Pink.....Pkt. 10c**

**Hartwegi All colors mixed.....Pkt. 10c**

**Special Anniversary Lupinus Offer**

1 Packet of Each of 3 Named Colors, 25c Postpaid.

**African Marigold**

Plants grow 2 1/2 feet high and produce an abundance of large double flowers in great profusion of glowing colors. Tall, double mixed. Pkt. 10c.

**French Marigold (Dwarf)**

These are a dwarf compact plant, 10 to 15 inches high, very attractive, each being covered with hundreds of small bright flowers of various colors.

**Legion of Honor, golden yellow.....Pkt. 10c**

**Double mixed.....Pkt. 10c**

**Single mixed.....Pkt. 10c**

**Marvel of Peru (Four O'Clocks)**

A well known, handsome, free-flowering garden favorite. Does well everywhere. Grows 12 to 18 inches high. Pkt. 5c.

**Matricaria Eximia or Feverfew**

The plant is covered with numerous and freely branching flower stems, which are literally covered with very double flowers, one inch in diameter. Height, 12 to 18 inches. Golden Ball.....Pkt. 10c White .....Pkt. 10c

**Mignonette Reseda**

A well known fragrant favorite; no garden is complete without a bed of Mignonette. Sowings made in April and again in July will keep up a succession of bloom from early summer until frost. Grows 8 to 12 inches high.

**Sweet Scented.** The old fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c.

**Improved Red Victoria.** Fine spikes of brilliant red. Pkt. 10c.



## Morning Glory, Tall Mixed

One of the most free flowering and rapid growing climbers, thriving in almost any situation. The flowers are very delicate, brilliant and beautiful. Pkt. 10c.

## Morning Glory, Dwarf Mixed

A very attractive hardy annual for flower beds or borders, favoring a sunny exposure. They will bloom for a long period. Pkt. 10c.

## Morning Glory, Giant Mikado

The flowers are of gigantic size, and the colorings and markings beyond description, ranging from snow-white to black purple, with all the possible intermediate shades. They are beyond question the largest and most beautiful of this handsome family of easy grown climbers and are of the Orient's best gift to flower lovers. Wherever climbers can be grown, Giant Mikado should have a prominent place. Pkt. 10c.

## NASTURTIUMS

For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained sunny position, and within a few weeks from the time they are sown, until hard frost comes, there is an endless profusion of their gorgeous blossoms. No annual will produce such a lavish amount of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in light or sandy soil and seldom diminishes through the hot weather. It is best to pick the blossoms almost daily. Dwarf varieties grow to a height of 12 to 15 inches; the tall, 6 to 10 feet. Nasturtiums can be had in separate colors or in all colors mixed, both in the dwarf or tall varieties.

**Dwarf or Bedding named varieties in separate colors.**

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Reliable Dwarf mixed varieties.**

Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**Lobb's Climbing named varieties in separate colors.**

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Reliable Tall mixed varieties.**

Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.



Nasturtiums.

As a Cut Flower they are wonderful in fragrance and beauty.

## Nemesia

A free blooming dwarf plant, 10 to 15 inches high, that is becoming very popular, owing to its beautiful shades of color. May be seeded indoors and transplanted, or the seed may be seeded in garden in early spring. All colors mixed. Pkt. 10c.

## Nicotiana Affinis (Tuberose Flowered Tobacco)

Delightfully sweet-scented, pure white tubular flowers, blooming continually from July to October. Grows 2 to 3 feet high. Pkt. 10c.

## Nigella Damascena (Love in the Mist)

A compact free-flowering plant of finely cut foliage, with curious looking flowers and seed pods of easy culture, growing well in any garden soil. It is a hardy annual, about 15 to 20 inches high. Pkt. 10c.

## PANSIES

**PANSY CULTURE.** The seed may be sown indoors in January or February; or in Spring in the open ground, in a shady, cool spot where the plant can be protected from the strong mid-day sun. Cover the seed very lightly with fine soil and press in with a board. The soil should be very rich, and liberal applications of bone meal should be given from time to time. The seed will be up in about 10 to 15 days.

For special designs in beds or for cemetery planting, we offer the blue, white, or yellow in separate colors.

## Lord Beaconsfield

Is one of the most attractive pansies in existence. It has a large well opened bloom of striking color. The petals are a bright deep marine blue, shaded with violet. On the two upper petals this rich deep velvety color softens gradually to almost white at the edge of the petals. This is very much in demand for Decoration Day. Pkt. 15c.

## White Queen

Has large, well formed flowers of pure white. Pkt. 15c.

## Canary

A bright yellow with slight marking like a canary bird. Pkt. 15c.



Pansies should be in every garden.

## Gould's Reliable Pansy Mixture

Our strain of Reliable Pansy seed is a very carefully balanced mixture of the different shades and colors selected to please the greatest number of people. Flowers of large size, good form and substance, and pleasing range of shades and colors, together with a strong growing plant, are the characteristics of this special strain. Pkt. 15c,  $\frac{1}{4}$  oz. \$2.00. 1 oz. \$6.00.

## Gould's Fancy Bedding Pansy Mixture

A mixture of many standard sorts which are admirably adapted for beds or borders. They are very hardy and free-blooming. Pkt. 10c,  $\frac{1}{4}$  oz. \$1.00.

## Violas or Tufted Pansies

Violas are not yet fully appreciated; however, nobody needs to see them more than once to realize how much they add to a garden. Mixed colors. Pkt. 15c.



Portulaca, or Moss Rose. Do specially well as a border along the walk.

## PETUNIA

The Petunia is peerless among annuals for effective summer bedding or window boxes. It is of easy culture, early to blossom and continues all the summer until frost. No other flower produces a greater diversity of color, or retains its freshness for so long a period. The double varieties may be perpetuated by cuttings in late summer, or winter house plants. They require rich soil and a sunny location.

### Extra Selected Bedding Petunias

Carmen Sylva.	Violet, white throat.....	Pkt. 15c
Countess of Ellesmere.	Rose, white throat.....	Pkt. 15c
General Dodds.	Velvety blood red.....	Pkt. 15c
Inimitable.	Blotched and striped.....	Pkt. 15c
Lord Courtenay.	Brilliant rose, yellow throat.....	Pkt. 15c
Violacea.	Deep violet.....	Pkt. 15c
De Luxe Mixture	of large flowering varieties...Pkt. 15c	

### SPECIAL ANNIVERSARY PETUNIA OFFER NO. 1

Extra selected Bedding. 1 pkt. each of 6 colors,  
75c, postpaid.



Petunias are very hardy and free blooming in either garden or window box.

### Dwarf Bedding Petunias

Nana Erecta.	Rose of Heaven.	Rose pink.....	Pkt. 25c
Nana Erecta.	Snowball.	White.....	Pkt. 25c
Nana Erecta.	Rosy Morn.	Clear pink.....	Pkt. 25c
Nana Erecta.	Violacea.	Deep violet.....	Pkt. 25c
Nana Erecta.	Mixed colors.....		Pkt. 25c

### Balcony Petunias

Pendula Alba.	White .....	Pkt. 25c
Pendula Purpurea.	Crimson .....	Pkt. 25c
Pendula Rose.	Rose .....	Pkt. 25c
Pendula Violacea.	Blue .....	Pkt. 25c
Pendula Mixed Colors	.....	Pkt. 25c

### SPECIAL ANNIVERSARY PETUNIA OFFER NO. 2

Dwarf Bedding or Balcony. 1 pkt. each of 3 colors,  
60c, postpaid.

### Phlox Drummondii

Large flowering, the Phlox Drummondii is unquestionably one of the most brilliant and satisfactory of all the summer-flowering annuals. Seed may be sown in the open ground any time after danger of frost is past, and in a very few weeks they will be aglow with brilliant coloring and remain so until cut by frost. Plants grow 12 to 15 inches high.

White .....	Pkt. 15c	Lilac .....	Pkt. 15c
Pink .....	Pkt. 15c	Violet .....	Pkt. 15c
Crimson .....	Pkt. 15c	Blood Red .....	Pkt. 15c
Primrose .....	Pkt. 15c	All Colors Mixed..	Pkt. 15c

### Special Anniversary Phlox Drummondii Offer

1 pkt. each of above 7 colors for 75c, postpaid.

### Star Phlox

Of dwarf habit with very pretty star-shaped flowers. Mixed colors. Grows about 12 inches high. Pkt. 15c.

### Poppies

Sow as early in the spring as possible, where the plants are to remain, as they will not bear transplanting. As cut flowers they are short lived, but if their stems are dipped in boiling water for just one moment when cutting, they will last much longer. Height, 15 to 20 inches.

Gould's Reliable Shirley Poppies, Single Mixed colors.....	Pkt. 5c
---	---------

American Legion  
The scarlet poppy of Europe..... Pkt. 15c

Gould's Reliable Double Mixture	
The flowering period of Double Poppies is very much longer than that of the Single Shirleys and the plants need more space to develop to perfection. Double Poppies make splendid cut flowers. Mixed colors....Pkt. 5c	

### Portulaca (Moss Rose)

Will grow and bloom abundantly all summer in a dry, hot location, where most other plants would soon die. The flowers are of the richest colors and make a beautiful border. Plants grow 5 to 8 inches high.

Single. Mixed colors.....	Pkt. 10c
Double. Mixed colors.....	Pkt. 15c

### Pyrethrum Aureum

A very popular plant for edging. It has a beautiful yellow foliage. Height, 6 to 10 inches..... Pkt. 10c

### Rhodanthe

Dainty flowers carried gracefully upon a long thin stem, making it very attractive and desirable for winter bouquets. Plants will grow to a height of 12 to 15 inches. Pink, white, or mixed..... Pkt. 15c

## SWEET PEAS

No garden is too small for a row of Sweet Peas and no estate, however extensive or magnificent, should fail to include many varieties of this most popular flower. Its long blooming season usually extends from early summer until autumn. No other climber equals it for cutting, either for use in bouquets or for table decoration.

### How to Grow Fine Sweet Peas

While Sweet Peas are of comparatively easy culture, if their requirements are taken into consideration, there are nevertheless, many failures reported each year and the question is often asked, "Can we really grow good Sweet Peas in our garden?" We can all grow fine Sweet Peas with lovely long stems if we will observe a few simple rules in their culture.

The absolute essentials are:

- First—Good seed.
- Second—Rich soil, deeply dug.
- Third—Early sowing.
- Fourth—Early staking.
- Fifth—Frequent fertilization to insure healthy, rapid and continuous growth.
- Sixth—Keep soil loose and porous.

Fall preparation of ground is preferable but if this has not been done start as soon as the ground can be worked in the spring.

Select an open sunny spot in the richest part of the garden and when you have decided how long the row will be, apply a thick layer of well rotted barnyard manure about 18 inches wide. If barnyard manure is not obtainable, pulverized sheep manure can be used. Remember that Sweet Peas are deep rooting plants so that the soil must be deeply and thoroughly worked. Spade the manure in as deep as the fork will go and turn the soil over three or four times so that the manure becomes thoroughly mixed with it, then level, and your bed is ready for planting. Sow in double rows, that is, open two drills about 8 to 10 inches apart and 4 to 5 inches deep and scatter the seed liberally, but not too thick (about one ounce to 15 running feet), then cover. The support for the plants to climb on is placed in the center of the two rows and should be in place by the time the plants are 2 inches high.

Success with Sweet Peas necessitates a rapid, healthy and vigorous growth during the cool weather of April and early May. An application of Floranid or Stim-u-Plant about May 1 will help the plants to get their growth during this cooler weather.

A mulch of strawy manure or lawn clippings placed around the plants when hot weather sets in will help to conserve the moisture and keep the roots cool. If watering is necessary, do it thoroughly as a light sprinkling will have a tendency to cause the feeding roots to turn upward toward the moisture and a dry spell will ruin the plants. Thorough watering will encourage deep rooting.

Sweet Peas require sufficient plant food at all times, and you will find that a top dressing of sheep manure or bone meal applied regularly every two weeks and hoed in will help produce strong healthy vines.

The flowers should be kept cut and all seed pods removed if it is desired to have a long season of them.

Sweet Pea culture has been summarized by one writer as follows: Trench deeply, manure liberally, plant thinly, stake quickly, water freely, dispod promptly.

### PRICES ON SWEET PEAS

All varieties are: Pkt. 10c, oz. 20c, 1/4 lb. 60c, 1 lb. \$2.00.

### PRICES ON SWEET PEAS

All varieties are: Pkt. 10c; 1 oz. 20c; 1/4 lb. 60c; 1 lb. \$2.00.



Gould's Famous Reliable Mixture Sweet Peas

**King Mauve:** A very pleasing shade of rosy mauve. Flowers are of immense size and charmingly waved or frilled.

**King White:** Noted for the glistening purity of the whiteness and perfect finish of the flower.

**New Wedgewood:** The immense blooms are a lovely shade of bright blue. One of the finest of blues.

**Picture:** Color is a blend of cream and pink shades, having a deeper flush on the wings. Exceptionally large and exquisitely frilled on the edges.

**Blue Bird:** A fine blue of extremely bright color. The flowers are large and come on long, stout stems. A new introduction.

**King Edward:** One of the best crimson Sweet Peas in existence.

**Pink Perfection:** Is a rich pure shade of bright salmon pink. The flowers are very large and frilled.

**The President Harding:** An entirely new shade called Peach Red. One of the very latest Burpee introductions.

**Empire:** Is a flower of great substance, with its clear cerise pink blossoms suffused with rose.

**Royal Purple:** Very rich and warm purple; having a slightly softer color tone; early. Flowers are large and well waved.

**Improved Tangerine:** The finest of orange colored Sweet Peas. Deep orange color almost approaches to a tangerine orange tint. Flowers are of great size.

**Fiery Cross:** The standards are a bright fire-red with wings of a rich cherry and orange blend.

**Hercules:** A magnificent deep rose pink.

**Jack Cromwell:** Fine dark blue of enormous size.

**The President:** Most brilliant orange scarlet. Four immense flowers are borne on strong stems.

### Gould's Reliable Mixture Sweet Peas

Gould's Reliable Spencer Mixture of Sweet Peas is composed of a special selection of varieties to produce a harmony of colors that is rarely offered in mixtures.



Inoculate seed at planting time with Nitratin. Will help you raise more vigorous, healthier Sweet Peas.

Garden size 20c, postpaid 25c.

The following named varieties represent the most popular shades of the large flowering Spencer Sweet Peas.  
**Burpee's Giant White:** One of the most perfect white Sweet Peas produced. The flowers are of wonderful size and form.

**Commander Godsall:** The color is an attractive shade of deep violet-blue. Flowers are large and attractively waved and fluted.

**Countess Spencer:** A soft rose-pink which deepens at the outer edges. Large and well waved.

**Florence Nightingale:** A soft clear rich lavender, enlivened with a faint sheen of rose-pink.

**Giant Attraction:** The large shell-pink blooms are very beautiful; clear in color, of large size and fine form. It is a free bloomer.

**Hawlmak Cerise:** The blooms are large and waved with a glowing rose cerise on cream ground.

**Hawlmak Lavender:** A free bloomer of pure lavender color.

**Hawlmak Maroon:** A rich red-maroon resembling polished mahogany. A remarkably strong grower.

**Hawlmak Pink:** The flowers are clear salmon-pink; wings almost rose-pink. One of the finest of Pinks.

**Ricinus (Castor Oil Bean)**

Ornamental plants of stately growth and picturesque foliage with brilliant colored blossoms, producing a tropical effect. Fine for massing in lawns or as a flower bed center.

**Borboniensis Arboreus**

Very large and beautiful. The foliage is light green attaining a height of 12 to 15 ft.....Pkt. 10c

**Sanguineus**

Blood red stems with green foliage. Growing to a height of 5 to 6 ft.....Pkt. 10c

**Zanzibariensis**

The ornamental leaves of a variety of colors beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. Height 10 to 12 ft.....Pkt. 10c

**All Varieties Mixed**

Height 5 to 12 ft.....Pkt. 10c

**Salpiglossis (Painted Tongue)**

A very beautiful hardy annual plant, 20 to 30 inches tall. Flowering freely from July to early autumn. Rich soil should be provided with plenty of space for plants to develop.

**Grandiflora**

Mixed colors. Pkt. 10c.

**Emperor, Mixed**

A larger type than the Grandiflora, having only one leading stem at the top from which it produces a large cluster of beautiful flowers. Pkt. 10c.



Salpiglossis (Painted Tongue)

**Salvia, Scarlet Sage**

A standard bedding plant 18 to 24 inches tall, that keeps the garden bright with color until late in autumn. It is especially adapted for a border in front of tall shrubs or in back of dwarf growing plants.

Salvia should be started indoors and transplanted to the open garden after danger of frost is past.

**Splendens**

Blooms from August until killed by frosts. Pkt. 10c.

**Clara Bedman or Bonfire**

The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt. 10c.

**Zurich**

More dwarf in growth than other salvias, and more thickly studded with fine spikes of bright scarlet flowers. Pkt. 25c.

**America**

A free and continuous bloomer, particularly valuable for bedding and planting in rows. Pkt. 25c.

**Scabiosa (Mourning Bride)**

Commonly known as the Pincushion Plant, growing to a height of 20 to 30 inches. The flower stems are long and the blossoms keep well in water. When given plenty of room and the blossoms are picked off regularly they will last all through the summer. It produces many delicate shades. All colors mixed. Pkt. 10c.



Scabiosa

**Schizanthus**

A dainty annual which yields an abundance of blooms on delicate fern-like stems. Very desirable for cut flowers. The colors range from light pink and white to bronze and buff. Height, 12 to 20 inches. Pkt. 10c.

**Stocks****Early Giant Imperial**

An especially selected type growing 20 to 30 inches tall, of branching habit. Very early blooming and producing a high percentage of doubles. All colors mixed. Pkt. 15c.

**Sweet Peas. (See Previous Page.)****Sweet William (Annual)**

The plants are of the same type and habits as of the old perennial kinds, but this annual variety will bloom the first year from seed. The blooms are very similar to the older sorts, having a variety of colors and very fragrant. Grows 15 to 20 inches tall. All colors mixed. Pkt. 10c.

**Thunbergia (Black Eyed Susan)**

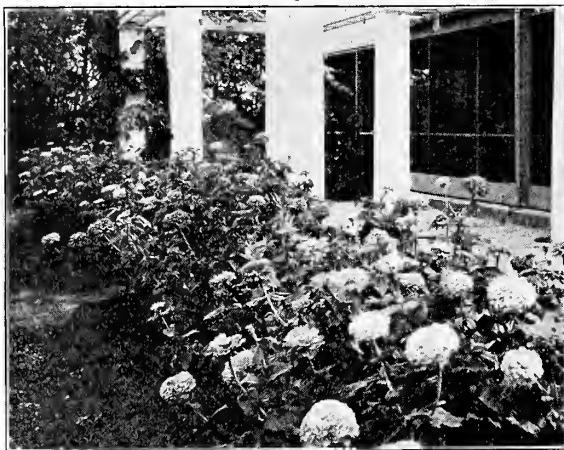
A beautiful, rapid-growing annual climber. Used extensively in hanging baskets, vases, etc., and to cover low fences. Will grow 5 feet high. Pkt. 10c.

**Verbena, Mammoth**

The Verbena is one of the most popular garden annuals. They bloom profusely the first year from seed, the flowers lasting until late in autumn. Plants grow 12 to 20 inches high. Mixed colors. Pkt. 10c.

**Xeranthemum**

Another of the free blooming annual Everlastings. The flowers are small, but very double and the variation in colors make it very attractive. Height, 18 to 24 inches. Pkt. 10c.



**Beautiful Zinnias**  
Show to best advantage planted in large masses.

### Zinnia, Giant Double

Zinnias are a hardy annual; one of the most desirable and lovely flowers found in the garden. Although the Zinnia is an old time garden flower which has to a certain extent been left in the background, we feel that the new and improved types of these Giant Zinnias are deserving of more space and attention. Zinnias are not subject to any of the common diseases or insect pests which so often destroy other flowers in the garden. They grow well in partial shade, but like most flowers do best in a sunny location. The seed may be planted in the garden from April 15th to May 15th, and when the plants are two or three inches high they should be thinned out to twelve or fifteen inches apart. If earlier blooms are wanted the seed may be started indoors and transplanted to the open garden from May 15th to June 1st. Plants flower from early summer until late in the fall.

These Giant Double varieties, which we offer, will grow from 2 to 3 feet and bloom continuously from July until frost.

Giant Double, Blood Red .....	Pkt. 10c.
Giant Double, Canary .....	Pkt. 10c.
Giant Double, Scarlet .....	Pkt. 10c.
Giant Double, White .....	Pkt. 10c.
Giant Double, Orange .....	Pkt. 10c.
Giant Double, Salmon Rose .....	Pkt. 10c.
Giant Double, Purple .....	Pkt. 10c.
Giant Double, Mixed .....	Pkt. 10c.
Dwarf Double, Mixed .....	Pkt. 10c.
Mexican Hybrid, Mixed .....	Pkt. 10c.
Dahlia Flowered, Mixed .....	Pkt. 15c.

## PERENNIAL FLOWER SEEDS

**CULTURE.** Everyone likes perennials because they are permanent—once established they increase in size and beauty. Many sorts are raised from seed, usually blooming the year after sowing. The seed bed must be well drained, fine and firm. If the soil is at all heavy cover with one inch of sand. The seed may be planted from May to early July. Sow the fine sorts in rows, 3 inches apart, on the surface of sand or well sifted soil, and press down with a board. Large seeds may be covered to twice their thickness. Water as required; when seedlings have two pairs of leaves, transplant into rows a few inches apart each way, and later when they begin to crowd transplant a second time. This involves extra work but is necessary to raise sturdy plants. Keep them partly shaded all summer. In August or September, if well developed, they may be placed in their permanent locations where they are to blossom the following year, or left in the seed beds for early Spring transplanting.

### Achillea (Double White Yarrow)

One of the best hardy white perennials. Grows about 2 to 2½ feet high, blooms from spring until frost. Is covered with head of purest white double flowers. Pkt. 15c.

### Agrostemma (Rose of Heaven)

A stout erect growing plant with silvery foliage and a bright rosy crimson flower. Height, 20 to 24 inches. Pkt. 15c.

### Alyssum Saxatile

Has masses of bright yellow flowers. After the blooming season is over the seed pods may be used in Everlasting bouquets. Grows 8 to 12 inches high. Pkt. 15c.

### Anchusa, (It. Dropmore Variety)

Blue, large, for-get-me-not-like flowers. Very fine for the back of the perennial border or for a screen. Grows 4 to 5 feet high, blooms in June and July. Pkt. 15c.

### Anthemis Tinctoria (Hardy Marguerite)

Grows about 12 to 15 inches high, bearing in profusion, daisy shaped, yellow flowers, that blossom in July and August. Pkt. 15c.

### Aquilegia (Columbine)

**Mrs. Scott Elliott's Strain of Long Spurred Hybrids**  
Charming hardy perennial plants growing from 18 inches to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, lavender, yellow and purple. For planting in permanent borders along woods or shrubbery they are unsurpassed. All colors mixed. Pkt. 15c.

### Bellis (English Daisy)

Daisies are easily raised from spring sown seed, and come into flower in a very short time. They thrive best in a cool, shady place, but do well in almost any soil. Admirably adapted for edgings, borders and low beds. Height 6 to 8 inches. Pink, white, crimson, or double mixed colors. Pkt. 15c.

### Boltonia (False Chamomile)

A very showy tall hardy perennial, which blooms from early summer until frost. Many blooms of a delicate pink shaded with lavender are open at one time making it very attractive. Grows 5 to 6 feet tall. Pkt. 15c.

**Special Anniversary Zinnia offer.**  
One package of seven separate colors, 50c postpaid.

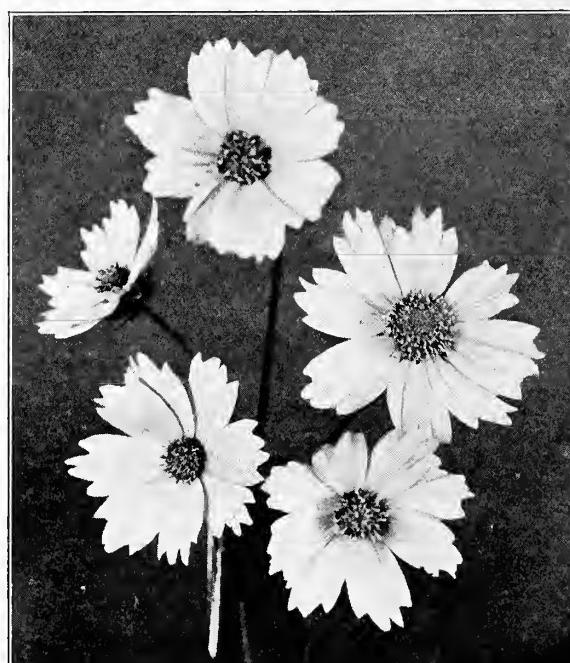
### Campanula Calycanthema

Cup and saucer variety. Produces beautiful single flowers three inches in length with saucers three to four inches in diameter.

The plants form pyramids of exquisite blossoms for weeks, during the early summer. A hardy biennial, flowering the second season from seed. Height, 30 to 36 inches. Pkt. 15c.

### Campanula Medium (Single Canterbury Bell)

Same as above excepting that the flowers are single cups without the saucers. Plants grow 24 to 36 inches high. Mixed colors. Pkt. 15c.



**Coreopsis Lanceolata**

A hardy perennial about two feet high that produces an abundance of large, daisy shaped flowers on long stems. One of the best perennials for cut flowers. Pkt. 15c.



Delphinium.

**Delphinium  
(Hardy Larkspur)**

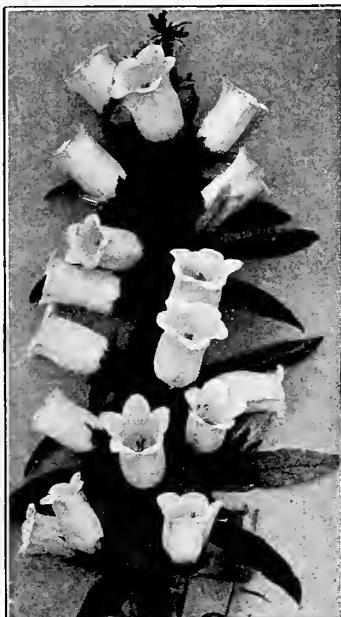
Very decorative border plants ranging in height from two to five feet. The colors run from pure white to dark blue. When plants are 15 inches high, they should be staked to prevent breaking down.

**Belladonna.** A delicate turquoise-blue. Pkt. 15c.

**Bellamoum.** Intensely rich dark blue. Pkt. 15c.

**Gold Medal Hybrids.** All colors mixed. Pkt. 15c.

**Digitalis, Foxglove**  
A very interesting family of old fashioned plants, whose culture is so simple as to bring them within the reach of all. It grows in strong clumps and is one of our very fine hardy perennials. Grows 2 to 4 feet high. Mixed colors. Pkt. 15c.

Campanula - Canterbury Bells  
See Page 36**Gaillardia Grandiflora, Blanket Flower**

A very free blooming perennial bearing large yellow, or red daisy shaped flowers. Very easy to grow and will bloom all summer. Height, 24 to 30 inches. Pkt. 15c.

**When Planting Seed**

The Right Way



The Wrong Way

**Daisy, Ox Eyed**

Flowers like the wild white daisy, but twice as large. Very hardy and easily grown, has long stems, making it very desirable for cut flowers. Plants grow 18 to 30 inches high. Pkt. 15c.

**Daisy, Shasta**

A hardy perennial bearing large pure white flowers, in great profusion on long stems, making it desirable for cut flowers. Height, 15 to 20 inches. Pkt. 15c.

**Flowering Plants**

During the months of May and early June we offer daily many thousands of Annual seedling flower plants. Also vegetable plants in many varieties.

**Success With Flower Seeds**

Many flower seeds need to be started in doors. These can be sown in shallow boxes or flats preferably in a temperature of between 60 and 70 degrees; covering seed to a depth of about 4 times their size, press down firmly with a board, water with a fine spray and do not allow the seedlings to dry out nor become over moist. Transplant 1 inch apart into similar boxes or 2 inch pots, when the seedlings have formed 2 or 3 leaves.

**Gypsophila Paniculata (Baby's Breath)**

The blossoms are small, star like, and borne in feathery sprays, which are highly esteemed for cut flowers, as they lend a most graceful effect when combined in bouquets. Grow 2 to 3 feet high. Pkt. 15c.

**Helenium Autumnale**

A showy native perennial growing 4 to 6 feet high. Has a spreading head of golden yellow daisy-like flowers, resembling the pompon chrysanthemum. Pkt. 15c.

**Heuchera (Alum Root, Coral Bells)**

An ordinary hardy perennial of easy growth. Does well in any garden soil producing dainty sprays of rose carnation flowers on long stems. Plants grow 15 to 20 inches. Pkt. 25c.

**HOLLYHOCKS**

The most marked improvement is found in the Chater's strains. These are beautiful beyond description. The Chater's produce for the most part, flowers which are densely double, although occasionally some single blossoms are seen among them. The colors are innumerable, ranging from pure white to darkest maroon, some are bright and gay, others of the softest and most delicate shades and tints. The stalks grow 5 to 7 feet in height. These stalks are densely covered with blossoms as beautiful in texture and appearance as the rose.

**Single Hollyhocks**

Many prefer the single-flowering hollyhocks. They are usually of freer growth than the doubles and present a very handsome appearance. Mixed, pkt. 15c.



Hollyhocks

**Hollyhock. Chater's Double**

White .....	Pkt. 15c	Bright Red.....	Pkt. 15c
Salmon Rose.....	Pkt. 15c	Maroon.....	Pkt. 15c
Bright Pink.....	Pkt. 15c	Mixed Colors.....	Pkt. 15c
Yellow .....	Pkt. 15c		

**Honesty. (See Lunaria)****Lathyrus. (Hardy Sweet Pea)**

Showy, free flowering, hardy perennial climber, valuable for covering old stumps, fences, etc. continually in bloom. Good for cut flowers. They require a rich deep soil. Grow 5 to 7 feet tall. Pink, red, white or mixed. Pkt. 15c.

**Lavendula Vera. (True Lavender)**

Delightfully fragrant flowers used dry for their lasting perfume. Plants grow 12 to 18 inches high. Pkt. 15c.

**Linum Perenne**

A pretty plant for the border, with light graceful foliage, bearing large flowers through the entire summer. Flowers are delicate light blue to pure white. Plants 15 to 18 inches in height. Mixed colors. Pkt. 15c.



### Lunaria (Honesty or Satin Flower)

A biennial will not bloom the first year from seed. The second year after the blooms are past, the seed pods will mature and resemble a silver dollar or a satin disc. The stems can then be cut and dried and will keep for years. Plants grow 18 to 24 inches tall. Pkt. 15c.

### Lupine

This will be found a great acquisition to any garden. It forms dense bushes three to four feet high, of elegant spikes completely clothed to the ground with snowy white and deep sea blue flowers, that are very fragrant. Pkt. 15c.

### Lychnis. (Rose Campion)

Handsome plants, 12 to 15 inches high, of easy culture, growing in any rich garden soil. Mixed colors. Pkt. 15c.

### Lythrum. (Roseum Superbum)

A pretty, hardy perennial. Grows three to four feet high and produces spikes of rosy flowers from July to September. Pkt. 15c.

### Myosotis. (Forget-Me-Not)

Half hardy Perennial, which flowers the first year from seed if sown early. Will bloom throughout the summer and fall if sown in a somewhat shaded location. Height, 8 to 12 inches. Blue and white mixed. Pkt. 15c.

### Pentstemon. (Bearded Tongue)

Attractive plants, much used in the hardy border. The bushes are pyramidal, 2 to 3 feet high, with erect branches thickly set with flowers  $1\frac{1}{2}$  inches long, varying in all shades from rosy-white to purple with white or veined throats. Mixed colors. Pkt. 15c.



### Perennial Poppies

These hardy varieties are very beautiful, blooming from June to frost.

#### Iceland Poppy

Similar to the annual Shirley Poppy but in addition to the white, red and pink shades of the latter, the Iceland Poppy is often a fine yellow or orange color. Plants grow 12 to 15 inches high. Pkt. 15c.

#### Oriental Poppy

One of the most gorgeous of all perennials, producing in June and July its enormous blossoms, often 6 inches in diameter. The colors range from soft blush and rose to flaming scarlet and richest maroon. The flower stems are long and heavy, bending gracefully under the weight of the blossoms. The culture is simple if the directions at the top of first perennial page are followed. The plants are at their best when about 3 years old. Often one specimen will show 10 or 15 blooms. Height of plants, 18 to 30 inches. All colors mixed. Pkt. 15c.

### Physalis Franchetti (Chinese Lantern Plant)

The flower of this plant is not noticeable to any extent, but the fruit or seed pod which resembles a husk tomato, but is larger, will grow to about the size of an egg. These at first are green, but as they mature, turn to a bright red giving it the appearance of a Chinese lantern. The stems should then be cut, and unlike other Everlastings, should be hung up in an upright position to allow the lanterns to hang in their natural position. Grow 15 to 24 inches high. Pkt. 15c.

### Physostegia

These handsome plants flower from July until frost, growing 3 to 4 feet high and bear broad, dense spikes of delicate pink tubular flowers not unlike a giant Heather. Pkt. 15c.

### Platycodon. (Japanese Bell-Flower)

A member of the Campanula family, with handsome, branching spikes 1 to 2 feet high. Platycodon is considered by many the best bell flower. They bear these large, showy deep-blue flowers continuously from July until frost. Plant grows 18 to 24 inches high.

### Grandiflorum

Tall, deep-blue ..... Pkt. 15c

### Mariesi

Dwarf, deep-blue ..... Pkt. 15c

### Pyrethrum Hybridum

Bears large daisy-like flowers ranging in color from white to deep red with bright yellow centers; fine for cutting. Blooms in early spring and again in the fall. Plants grow 20 to 30 inches high. Single varieties, all colors mixed. Pkt. 15c.

### Scabiosa Caucasia

Resembling in shape the annual Scabiosa. This hardy variety bears large blossoms of a delicate lilac blue shade. The plants grow 2 to 3 feet high, blooming from July until frost. A fine plant for borders or cut flowers. Pkt. 15c.

### Statice Latifolia. (Sea Lavender)

Produces a mass of tiny blossoms resembling the Baby's Breath. Height, 18 to 30 inches. Pkt. 15c.

### Sunflower. (Helianthus)

Seeds sown early will produce flowering plants the first year.

### Autumn Glory

Bright yellow flowers; blooming in August and September. Height 3 to 4 feet. Pkt. 15c.

### Maximiliana

Flowers single, clear yellow, with several rows of large ray petals and full center. Blossoms late in the autumn. Height, 5 to 6 feet. Pkt. 15c.

### Multiflorus

Dwarf double yellow like an aster; blooming in August. Grow 18 to 36 inches high. Pkt. 15c.

### Sweet William. (Dianthus Barbatus)

A beautiful, free-blooming, hardy perennial producing a splendid effect in beds and borders with rich and varied flowers. Plant grows 15 to 20 inches high.

Single Mixed ..... Pkt. 15c

Double Mixed ..... Pkt. 15c

### Tritoma. (Red Hot Poker)

Although these are hardy plants, many will flower the first year if seed is sown early. They grow 3 to 4 feet high and bear in August blazing, orange-red spikes, blooming until frost. Very effective for cut flowers. Pkt. 15c.

### Veronica Speedwell V. Spicata

Height, 18 to 30 inches, flowers all summer; showy spikes, of bright blue flowers. Fine for cutting. Pkt. 15c.

### Wallflower

Half hardy perennials bearing dainty, yellowish, red or orange flowers, which have a delicious odor. Height, 15 to 18 inches.

Single Mixed. All colors. Pkt. 15c.

Double, Finest Mixed. Pkt. 15c.



The old time Perennial border is as popular as ever

## PERENNIAL FLOWERING PLANTS

A great many prefer to start their perennial beds or borders from plants instead of seed, as the plants will often bloom the first year, while with seed, it means a delay of from one to three years before you get a display of flowers. The following list has been selected with care and contains some of the most popular and beautiful plants for the garden. They are field grown and are usually ready to forward about April 1st, if weather is right. But please order early so as to be certain of getting the kind you want.

### ACHILLEA.

One of the best flower plants for border. Height 2½ feet. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### AQUILEGIA, Long Spurred Hybrids.

The distinct, clear-cut foliage and delicate arrangement of colors in the flowers make it one of showiest and most desirable, especially for planting at the base of foundation walls, or under trees, grows 3 feet tall. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### ASTERS.

Its flowers make a beautiful show after many Fall plants and flowers have been killed by the cold. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### COREOPSIS LANCEOLATA.

One of the best for cut flowers; its golden blossoms blooming in profusion from June until frost. Plants grow 2 feet high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### DELphinium.

A choice strain of Hybrids embracing all shades of blue. Its long showy spikes flower from June until killed by frost. Plants grow 3 to 5 feet tall. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### DIANTHUS PLUMARIUS, Hardy Garden Pinks.

Their perfect form and rich coloring make them a prime favorite for Summer bouquets. No garden is complete without this fragrant flower. Plants grow 12 inches high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### DIANTHUS LATIFOLIUS, Atro-Coccineus.

A hybrid Sweet William having a beautiful deep crimson blossom. An all summer bloomer. Suitable for border or bed. Height 12 inches. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### DIANTHUS BARBATUS, Sweet William.

A fine old garden favorite which perpetuates itself by self sowing. Flowers in June and July. Plants grow to a height of 18 to 24 inches. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### DIELYTRA, Bleeding Heart.

The pink and white heart-shaped flowers are borne on long graceful stems, making the plant, with its finely cut foliage, very attractive. The plants increase in size from year to year and are beautiful, even when not in bloom. Height, 1 to 2 feet. Each 75c; postpaid 90c; 1 doz. \$8.00; postpaid \$8.25.

### DIGITALIS, Foxglove.

Furnishes a grand display of thimble-shaped flowers in immense spikes during July and August. Plants grow 2 to 4 feet high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### GALLARDIA, Grandiflora. Blanket Flower.

Makes one of the most gorgeous displays of flowers of any of the perennials. Center of deep maroon is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. Grows on any kind of soil, and flowers from June until frost. Height, 2 feet. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### GYPSOPHILA, Baby's Breath.

Produces small white flowers on branched stems so thick as to give the plants a lace-like effect. Grows 2 to 3 feet tall. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### HIBISCUS OR MALLOW.

A very robust growing plant, having large flowers of Red, Pink and White shades. Height, 2 to 3 feet. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### ICELAND POPPY.

Will bloom from June until frost. The colors are mostly yellow and orange with few white. Plants grow about 12 inches high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### LYCHNIS OR MALTESE CROSS.

Blooms in June and July. One of the best old fashioned flowers of today. The color is brick red. Height, 1 to two feet. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### ORIENTAL POPPY.

One of the most gorgeous of all perennials, producing in June and July enormous blossoms, often 6 inches in diameter, in colors that range from soft blush and rose to flaming scarlet and richest maroon. One plant will often show 10 to 12 blooms. Plants grow about 3 feet tall. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### PHLOX, named.

Are a favorite in nearly every garden. Do best when planted in masses, producing a blaze of color which stands out strikingly against a background of shrubs or vines. Plants increase in size each year, and blossoms increase in number and size for several years. Each, 50c; 3 for \$1.40 postpaid.

### CHAMPS ELYSEE, a bright rosy-magenta; very effective.

### JEANNE D'ARC, a good late flowering white.

### MISS LINGARD, pure white; the earliest of all, blooms all summer. Good for cut flowers.

### RIVERTON JEWEL, a lovely maurie-rose with a brilliant carmine-red eye.

### R. P. STRUTHERS, Rosy-carmine with claret-red eye.

Very bright.

### THOR, a splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow.

Above named Phlox. 50c each; 3 for \$1.40 postpaid.

### PHYSALIS FRANCHETTI, Chinese Lantern.

Grown for its bright colored seed pods which are used in winter bouquets. Height, 2 feet. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### PYRETHRUM ROSEUM, Hybridum.

A splendid cut flower that blooms profusely on long straight stems, colored in all shades of rose. Grows 2 feet high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### PYRETHRUM, Giant White Daisy.

One of the best September blooming perennials for the Northwest, bearing its large white flowers on 5-foot stems. Plants grow 2 feet high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### SCABIOSA CAUCASICA.

A soft shade of lavender blooming from June until September. Height, 2 to 3 feet. A splendid cut flower. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### SHASTA DAISY.

One of the most popular perennials. Produces showy flowers of the purest white all summer long. Grow about 30 inches high. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.

### STATICHE LATIFOLIA, Sea Lavender.

A charming perennial border plant, 1 to 2 feet high, fine for cutting. Flowers will last throughout the winter when dried. Each 25c; postpaid 35c; 1 doz. \$2.50; postpaid \$2.75.



## Beautiful Gladioli

The Gladioli are the most attractive of summer-flowering bulbs. They bloom just when the garden needs brightening up. Their bright spikes help the perennial border especially, which so often lacks color at mid-summer before its autumn revival. When used in the rose bed their season follows that of June roses.

Gladioli are highly ornamental whether growing among shrubs or in garden rows. If they are cut as the first bud expands they last a week or ten days in the house and every bud opens perfectly.

We advise our customers to plant Gladioli in masses since they are always most effective when grown in groups of twenty-five or fifty bulbs of a kind or color, either in the perennial or shrubbery border.

**CULTURE.** The Gladiolus thrives in a sunny location, protected from wind. It appears to best advantage when planted among Peonies, shrubbery or in masses, or rows bordered with some lower growing plants such as Candytuft or Bachelor's Buttons. These make a pleasing contrast with the Gladioli.

Gladiolus bulbs will grow in any good garden soil, but do much better when the latter has been enriched with well rotted manure. If the bulbs are planted at intervals from April to June the blooming period will extend from July until frost. A trench should be dug five inches

deep and an inch of sand placed in the bottom to absorb surplus moisture. Then set the bulb (flat or hollow side down) in the sand.

For earliest blossoms, draw 2 inches of soil over the bulbs at first, replacing the rest when the shoots appear. As the leaves develop, more earth should be drawn up around the base, to furnish support for the stalk. Keep the bed free from weeds and give plenty of water, especially during the blooming period. When the flower buds appear they should be staked.

Before the ground freezes lift the bulbs, cut off half the foliage and remove to a cool shed or cellar. Here they should be spread out to dry, leaving plenty of air space between all bulbs and tops to prevent mould. A convenient method is to stand them up in flats which are then piled in tiers.

After the tops dry up they should be cut off with a sharp knife or pruning shears. At this time also, the bulbs may be separated and the small side growths, or bulblets removed. The latter may be handled like the big bulbs. Then the bulbs are placed in paper bags, sawdust or sand to prevent them from becoming too dry. Lastly, remove to a storage room having a temperature of about 35 degrees to prevent sprouting.

**FOR CUT FLOWER USE.** The spike should be cut as soon as the first flower opens on the stalk, preferably before the dew is off in the morning but never in the heat of the day. Cut the stem about 9 inches above the ground and with as little foliage as possible. The foliage is needed for the development of the new bulb. Place the cut flowers in a deep vase, with at least 8 inches of water. Remove the faded blossoms, cut a little off the stem and change the water daily. Treated in this way the buds will open perfectly.

### StimUpPlant Makes a Wonder Garden

A tablet of StimUpPlant inserted below each Gladiolus bulb at planting will intensify the color of both foliage and flower. 100 tablets 75c; 1,000 tablets \$3.50, postpaid.

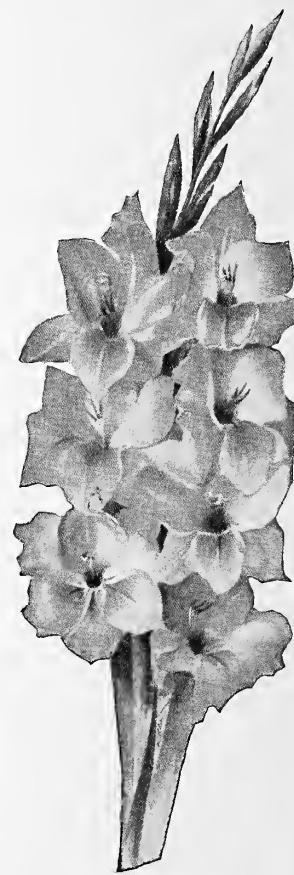
	Each	Doz.
Fay Lamphier, Large coral pink .....	.25	2.50
Los Angeles, Shrimp pink tinted orange .....	.25	2.50
Marshal Foch, Large deep pink .....	.20	2.00
Mrs. J. K. Arnsby, Pink flame center .....	.25	2.50
Mrs. Richard Lohrman, Creamy shell pink .....	.25	2.50
Nancy Hanks, Orange pink .....	.50	5.00
Opalescent, Pale rosy lavender .....	.20	2.00
Titanic, Large lilac purple .....	.15	1.50
Tycko Zang, Clear salmon pink.....	.50	5.00
Herada, Large glistening mauve .....	.10	1.00
Muriel, True lilac purple .....	.20	2.00

Postage extra. 1 doz., 10c; 5¢ for each additional dozen.  
25 or more of one kind at 100 rate.

	Each	Doz.	100
Baron Hulot, Indigo blue.....	\$.10	\$1.00	\$ 7.50
Carman Sylva, Pure white .....	.10	1.00	7.50
Crimson Glow, Crimson .....	.10	1.00	7.50
Diana, Bright Red .....	.15	1.50	11.00
Evelyn Kirtland, Pink .....	.10	1.00	7.00
Golden Measure, Yellow .....	.15	1.50	11.00
Louise, Lavender with Maroon .....	.15	1.50	10.00
Mrs. Dr. Norton, White and Pink .....	.10	1.00	7.50
Mrs. Frank Pendleton, Pink .....	.10	1.00	6.50
Pride of Hillegom, Deep Scarlet .....	.10	1.00	7.50
Rev. Ewbank, Light Blue .....	.15	1.50	11.00
Rubini, Salmon scarlet.....	.15	1.50	11.00
Wilbrink, Flesh Pink .....	.05	.50	3.50
Anna Eberius, Deep purple .....	.15	1.50	10.00
Blushing Beauty, Pink, ruffled .....	.20	2.00	15.00
Byron L. Smith, Lavender pink on white.....	.10	1.00	7.50
Challenger, Dark velvety red .....	.15	1.50	10.00
Crinkles, Deep peach blossom pink .....	.25	2.50	17.50
Dieners American Beauty, Throat creamy yellow with ruby stripe .....	.25	2.50	17.50
Dr. Elkins, White, throat blotched lilac blue .....	.20	2.00	15.00
Dr. W. Van Fleet, Delicate rose pink .....	.15	1.50	10.00
Duchess of York, Beautiful purple blue .....	.25	2.50	20.00
Fern Kyle, Creamy white .....	.25	2.50	20.00
Giant Myrtle, Soft delicate pink .....	.25	2.50	20.00
Gold, Pure golden yellow .....	.15	1.50	10.00
Henry Ford, Dark rhodamine purple .....	.25	2.50	20.00
Hoosier, Salmon rose.....	.15	1.50	10.00
Jacoba Van Beijren, Violet .....	.20	2.00	15.00
Marie Kunderd, A wonderful white .....	.15	1.50	15.00
Mary Pickford, Creamy white .....	.10	1.00	7.50
Mrs. Frederick C. Peters, Rose lilac .....	.20	2.00	15.00
Mrs. H. E. Bothin, Light geranium pink, scarlet center .....	.15	1.50	10.00
Mrs. John R. Walsh, Flesh pink .....	.25	2.50	20.00
Richard Diener, Pure geranium pink .....	.25	2.50	20.00
Rose Ash, Corinthian red .....	.15	1.50	10.00
Scarlano, Bright orange-scarlet .....	.10	1.00	7.50
Twilight, Creamy buff, throat yellow and pink .....	.15	1.50	10.00
White Giant, The largest pure white .....	.15	1.50	10.00
Mixed Colors, (Reliable) .....	.05	.50	3.50

### Primulinus Grandiflora

	Each	Doz.
Alice Tiplady, Orange Saffron .....	\$.10	\$1.00
Alma Gluck, Brilliant peach red .....	.15	1.50
Butterboy, Buttercup yellow.....	.15	1.50
Jewell, Salmon pink, yellow throat .....	.15	1.50
Myra, Salmon Yellow .....	.10	1.00
Ming Toy, Deep buff yellow throat .....	.15	1.50
Orange Queen, Copper orange .....	.20	2.00
Salmon Beauty, Orange Salmon .....	.10	1.00
Shell Pink .....	.20	2.00
Sonia, Beautiful bright red .....	.10	1.00
Souvenir, Pure golden yellow.....	.15	1.50
Sunset Glow, Scarlet Golden throat .....	.15	1.50



GLADIOLUS



Show Dahlias.

**Grizzly.** (Decorative). A deep maroon red dahlia of shaggy conformation, long stems on a tall bush, very prolific bloomer, award of merit California Dahlia Society Trial Gardens ..... \$0.75

**Oregon Sunset.** (Paeony). Gigantic blooms of golden yellow, suffused with splashes of bronze crimson, stout stems, erect blooms ..... \$0.60

**Mr. Crowley.** (Decorative). An exquisite shade of salmon pink, flowers of large size on stout stems, plants of compact habit, a splendid exhibition bloom ..... \$0.75

**Wizard of Oz.** (Decorative Paeony). A mammoth bloom of a rare shade of amber pink held high on stout stems, a prize winner in all dahlia shows ..... \$2.25

**Tryphine.** (Decorative). A beautiful large bloom of bright shell pink shading lighter at petal tips, the stems of this perfectly formed flower are strong and upright, the plant is a heavy bloomer ..... \$0.60

**Shellikoff.** (Decorative). A deep garnet bloom of great substance excellent for a cut flower, held erect on long stout stems, awarded American Dahlia Society's award of merit ..... \$0.60

**McGregor.** (Hybrid Cactus). An enormous bloom of spectrum red, an unusual shade, unsurpassed for decorative purposes, keeps well when cut, one of the earliest and most continuous bloomers. Highest award California Dahlia Society's Trial Gardens, one of the finest dahlias grown ..... \$2.00

**W. C. McKinley.** (Decorative). A rich purple crimson bloom attaining tremendous size, one of the largest and most striking dahlias yet produced, long stems and erect habit ..... \$1.50

**Mrs. Carl Salbach.** (Decorative). One of the really great dahlias, immense blooms of mauve pink on exceptionally long stout stems, no garden complete without this favorite ..... \$0.75

**Mrs. W. E. Estes.** (Hybrid Decorative). Probably the finest pure white dahlia grown, a flower of immense size on long sturdy stems, an excellent keeper when cut \$0.75

**Stredwick.** (Paeony). A beautiful copper shade bloom attaining large proportions, a favorite in every garden, sturdy stems, a handsome cut bloom ..... \$0.75

**Pierrot.** (English Cactus). A unique variety amber colored spikes tipped with white, blooms are of immense size and of striking beauty ..... \$0.50

**Mrs. I. De Ver Warner.** (Marean Decorative). An exquisite blossom of rich mauve, a refined and lovely bloom unexcelled for exhibition and cut purposes ..... \$0.75

**Nellie Dean** (Hybrid Cactus). A rich rose pink bloom, petals tipped with white, attaining immense proportions, an excellent cut flower, and a very prolific bloomer \$0.60

**Millionaire** (Decorative). A monster dahlia; one of the largest grown, a delicate shade of lavender of excellent conformation, a prize winner wherever shown ..... \$0.75

**Miss Portland** (Decorative). One of the striking dahlias of the season, a beautiful shell pink bloom of immense size, long stems on low growing bushes one of the earliest bloomers and improving in size and beauty until frost comes ..... \$2.50

## Dahlias

The Dahlia is a wonderful flower and rivals in popularity any other flower in existence. We offer strong, field grown roots which under favorable conditions will thrive and flourish.

**LOCATION.** The Dahlia is not as particular as most other flowers, and will succeed under a great many adverse conditions. There are, however, certain locations where Dahlias seem to outdo themselves. An open, sunny location seems to favor them at all times. Dahlias do well on high and low land, on hillsides or perfectly level land, giving good results in each location.

**TIME OF PLANTING.** The time for planting Dahlias varies according to the locality; whether your spot is sheltered or open, early or lateness of the season, and the times when the general crop of flower is desired. Dahlias can be planted any time after danger of frost is over, and under ordinary conditions will blossom in from 6 to 8 weeks after they have been planted. It is always best to wait until the ground becomes thoroughly warmed.

**PLANTING.** Plant bulb 6 inches deep, flat down, having sprout or eye facing upward; cover with about two inches of soil. When sprouts are 6 inches high add more soil, making it level with surface.

**CULTIVATION.** Cultivation is the principal requirement of the Dahlia—the most important of all operations to insure success. Keep the soil well cultivated and free from weeds; never allow the soil to crust.

	Postpaid	
	Each	Doz.
<b>A. D. Livoni</b> (show) soft pink .....	\$0.25	\$2.50
<b>Draeut Purple</b> (dec.) royal purple.....	.25	2.50
<b>Jack Rose</b> (dec.) rich crimson.....	.25	2.50
<b>Oregon Beauty</b> (peony) bright oriental red .....	.50	5.00
<b>Princess Juliana</b> (dec.) pure white .....	.40	4.00
<b>Purple Manitou</b> (dec.) large, clear purple .....	.25	2.50
<b>Sylvia</b> (dec.) deep pink to flesh pink .....	.20	2.00
<b>Unnamed Reds</b> , large clumps .....	.15	1.50
<b>Unnamed Mixed</b> , large clumps .....	.15	1.50

### SPECIAL ANNIVERSARY DAHLIA OFFER NO. 1

1 each of above seven named varieties, \$1.60 postpaid. Regular price, \$2.10.



Decorative Dahlias.

**Anun Ra.** (Egyptian Sun God). (Decorative). Mammoth blooms of a gorgeous copper and orange combination, deepening in the center to a reddish bronze, one of the outstanding blooms of the season ..... \$0.75

*See Special Dahlia Offer Next Page*

## DAHLIAS—Continued

**City of Portland.** (Peony). A graceful bloom of deep rich yellow, held upright on long strong stems, the plants are strong and vigorous and produce a mass of bloom all season ..... \$0.75

**F. W. Fellows.** (English Cactus). Blooms of light amber scarlet, a spiked cactus variety adding novelty to your garden, heavy bloomers ..... \$0.75

**Dr. H. G. Dean.** (Hybrid Cactus). Gigantic compact blooms of amber orange tint with crimson reverse held erect on long stout stems; a favorite wherever shown \$0.75

**Mareella Gill.** (Decorative). A sea shell pink bloom on long wiry erect stems, the best cut bloom that is grown; excellent for bedding purposes and floral designs ..... \$0.50

## SPECIAL ANNIVERSARY DAHLIA OFFER No. 2

One each of the last 21 varieties for \$15.00 postpaid.

Regular Price \$19.90.



Peonies—As Beautiful as the Rose

## Reds

Each

**Ben Franklin**, a very free grower of dark crimson-maroon flowers of the semi-rose type. Blooms early ..... \$1.00

**Felix Crousse**, large, globular, fragrant, and brilliant red blooms. One of the best of reds. Medium season ..... 1.00

**Karl Rosenfield**, a very brilliant and striking variety of dark crimson. Globular compact, semi-rose type, and very large. A splendid keeper as cut flower. Blooms mid-season ..... 2.00

**Lora Dexheimer**, a splendid peony of intense flaming crimson shading darker at base of petals. Cylinder shaped and semi-rose type. Of immense size. Blooms early. A beauty ..... 3.00

**Mary Brand**, a wonderful crimson variety with a silky brightness. Flowers are very large, semi-rose, and with golden stamens scattered through the center of fringed petals. Flowers mid-season 3.00

**Unnamed Red** ..... .50

## SPECIAL ANNIVERSARY PEONY OFFER

One each of the above five red named varieties, \$7.50 postpaid. Regular Price \$10.00.

## PEONIES—For Spring Planting.

The Peony is a native of Siberia which undoubtedly accounts for its great vigor and hardiness. The ideal flower for the great Northwest since it endures the most intense cold without injury. During recent years it has been so vastly improved that now large acreages are devoted to growing cut flowers for market, so beautiful and highly prized are the blossoms.

Conditions of the soil, location and cultivation are important factors in growing Peonies. Peonies may be planted in the Spring during the month of April and the early part of May, or in September. Work the soil thoroughly to a depth of 8 or 10 inches, applying at the same time a generous amount of well rotted barn yard manure or commercial fertilizer, mixed well into the soil. Plant root in this prepared soil so that the crown will be about 2 inches below the surface. Press the soil firmly around the roots with the fingers so that all parts of the root will come in direct contact with the soil.

Peonies should not be planted any closer than 3 feet apart and should not be close to trees as the roots of the trees take from the soil the nourishing elements that are needed by the Peonies. Peonies do best in a sunny location.

The following selected varieties we offer for Spring delivery at very attractive prices, postpaid. Large 3 to 5 eye divisions.

## Whites

**Couronne d'Or**, milk white color, with ring of yellow stamens around a tuft of center petals, tipped carmine. Very fragrant, and a splendid bloomer. Flowers late. One of the best of whites. Each, 75c.

**Duchess de Nemours**, early crown type, a splendid cup-shaped sulphur white, gradually changing to a pure white. Each, 75c.

**Festiva Maxima**, extra large, globular, rose-type. Pure white with bright carmine flakes on edges of center petals. Flowers abundantly early. Each, 75c.

**Baroness Schroeder**, very large, globular, rose type. Opens delicate blush, changing to pure white. Very free bloomer and one of the best. Flowers mid-season ..... \$1.50

**Marie Lemoine**, a very compact rose type. Ivory white, shaded cream center, and occasional carmine tip. Most fragrant and very popular. Season is very late \$1.00

**Mons. Dupont**, a glistening ivory white, with center petals bordered with carmine. It is deliciously fragrant and a prolific bloomer. Medium late ..... \$1.00

**Unnamed White**. Each, 40c.

## SPECIAL ANNIVERSARY PEONY OFFER

One each of the above six named white varieties, \$4.75 postpaid. Regular Price \$5.75.

## Pinks

Each

**Eugenie Vierdier**, has a great wealth of blending colors. Opens a delicate hydrangea pink, with primary petals lighter, center flushed crimson. A flat semi-rose type and free bloomer of fragrant flowers in mid-season ..... \$1.00

**Grandiflora**. (Richardson) rose-type, blooms of shell pink color fading to white. Very late and a strong grower ..... 1.50

**Mons. Jules Elie**, immense, globular, glossy flesh pink, shading to deeper rose at base, silvery reflex enveloping the whole bloom. A beautiful peony that flowers early, keeps long ..... 1.50

**Sarah Bernhardt**, of a semi-rose type, blooming in late mid-season. Guard petals are apple blossom-pink, with center salmon colored. Very fragrant, and a free bloomer. A rare beauty ..... 2.50

**Unnamed Pink** ..... .40

## SPECIAL ANNIVERSARY PEONY OFFER

One each of the above four pink named varieties, \$5.00 postpaid. Regular Price \$6.50.



## CANNAS

Cannas are deserving of a considerable amount of attention as a beautifier of home grounds and public parks.



Cannas are Lovely as a Back-Ground for Low Growing Plants

The Cannas thrive under almost any conditions and if given a little care and attention, will produce an abundance of attractive foliage as well as large spikes of beautiful flowers of unusually bright colors.

Cannas make the best showing when planted in beds by themselves. The soil should be well fertilized and worked up thoroughly to a depth of 10 to 12 inches. The bulbs can be set about 12 inches apart and about 4 to 6 inches deep. Mulching with lawn cuttings will help retain the moisture.

	Each	Doz.	Postpaid
<b>Eureka</b> , white, green foliage, 4½ feet.....	.15	\$1.50	
<b>Florence Vaughn</b> , yellow, green foliage, 5 feet	.10	1.00	
<b>Hungaria</b> , rose pink, green foliage, 3 to 3½ feet .....	.15	1.50	
<b>King Humbert</b> , orange scarlet, bronze foliage, 4 feet .....	.10	1.00	
<b>Mrs. Alfred Conard</b> , light salmon pink, green foliage, 4 feet .....	.15	1.50	
<b>Susquehanna</b> , clear old rose pink, light bronze foliage, 3½ feet.....	.20	2.00	
<b>The President</b> , scarlet, green foliage, 5 feet..	.15	1.50	
<b>Wyoming</b> , deep orange, deep bronze foliage, 6 feet .....	.10	1.00	
<b>Yellow King Humbert</b> , green foliage, 4 feet..	.15	1.50	

## GERMAN IRIS

The Iris is becoming more popular every year and is taking a prominent place in the flower garden, in the hedge or along the walk or drive. The Iris is very hardy, blooms in May or June, earlier than the Peony; is reasonable in price and multiplies very fast.

Iris should be planted in a sunny location and may be planted in groups or singly. While similar to the Old Flag its nature is far different and will stand our hot dry summers while other flowers and shrubs suffer for the want of moisture. The Iris should be planted in a well drained location as too much moisture, especially in hot weather, will cause the roots to decay. Iris may be planted at any time of the year except when they are in bloom or when the ground is frozen, although the best time for planting is in the months of July and August.

There are hundreds of varieties of Iris, but we are offering but a few of the most popular, at reasonable prices for either spring delivery, or orders will be accepted for July or August delivery. The roots or rhizomes are larger in July or August than in the spring. In the following descriptions Standards signify the three Standard, (erect or upright curling), Falls, the three falls or drooping petals.

**Flavescens** or Canary Bird. 30 inches. Standards cream color. Falls a delicate canary yellow. A fine flower for cutting. Very fragrant. A strong grower. Healthy and robust. Each, 25c; 3 for 60c.

**Gertrude**. 34 inches. Standards and Falls a deep lavender blue. Very large. Early and excellent for cut flowers for the house. Each, 25c; 3 for 60c.

**Golden Plume**. Standards rich golden yellow. Falls chestnut brown with yellow beard. The plant is very hardy in this climate and when in bloom the blooms are all about the same height. Makes a splendid hedge or border plant. Each, 25c; 3 for 60c.

**Her Majesty**. 32 inches. Late. Standards lovely soft rose pink. Falls deep shade dark red crimson. The general color effect is pink and a very beautiful variety. Each, 25c; 3 for 60c.

**Madam Chereau**. Very tall. Standards and Falls pure white. Daintily bordered with clear blue, a very distinct and delicate color. One of the very best of the frilled varieties. Each, 25c; 3 for 60c.

**Mrs. H. Darwin**. 28 inches. Standards pure white. Falls satiny white slightly veined. One of the best whites. A very free bloomer and lovely. Each, 25c; 3 for 60c.

**Perfection**. 30 inches. Standards light blue. Falls rich velvety lavender. A very conspicuous flower. A fine Iris with a wonderful amount of blooms to the stalk. Each, 25c; 3 for 60c.

**W. F. Christman**. 22 inches. Standards white tinged with violet. Falls purple with white border and yellow beard. A free bloomer. Each, 25c; 3 for 60c.

**Niebelunger**. Large. Standards olive green suffused with yellow. Falls deep purple violet with fawn margin. A free bloomer and lasts a long time as cut flowers. An exceptionally good hardy Iris. Each, 25c; 3 for 60c.

**Queen of May**. 30 inches. Very large. Midseason. Standards and Falls a rosy lavender almost pink. Very beautiful on tall stems. Each, 25c; 3 for 60c.

**Walhalla**. 24 inches. A new hybrid, very early and large. Standards light violet. Falls deep purple. Each, 25c; 3 for 60c.

(Prices listed above are postpaid.)

**Quaker Lady**. Very tall, standards smoky lavender with yellow shading. Falls blue with gold and yellow beard. Each 50 cents; 3 for \$1.25.

**Lovely**. Standards canary yellow. Falls creamy white with purple blending into purple blotches near the border. Ends of petals deep canary. Each 25 cents; 3 for 60 cents.



Iris Rival the Peony for Beauty

**Ingeberg**. 15 to 18 inches. Very early, good size and pure white. Each 25 cents; 3 for 60 cents.

**Eldorado**. 24 to 30 inches. Midseason. Standards yellow bronze shaded lavender. Falls bright purple, shaded with bronze making a beautiful and soft combination. Each 25 cents; 3 for 60 cents.

**Caprice**. 24 to 30 inches. Early. Standards and falls light purple blending to soft lavender at base of petals. Each 25 cents; 3 for 60 cents.

**Monsignor**. 28 inches. Late. Very large standards rich violet. Falls velvety purple crimson. Blooms last, long stems. Very hardy. Each 35 cents; 3 for 85 cents.

## Special Anniversary Iris Offer

1 each, any 10 varieties of above, \$2.00 postpaid.  
An exceptional offer.



Alfalfa Will Give More Hay Tonnage Than Any Other Grass Crop

**FIELD SEED PRICES**

Owing to the uncertainty of prices at the time of printing this catalogue, no prices are quoted on Field Seeds in this book but will be given on Red Figure Price Lists issued during the season. See Yellow List enclosed with Catalogue.

**Inoculate**

**Alfalfa, Sweet Clover, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans — All Legumes with**

The Improved Soil Inoculator, Nobbe-Hiltner Process

**NITRAGIN**

TRADE MARK REGD U.S. & CANADA NO. 37212

Restores and Maintains Soil Fertility

**The Original Soil Inoculator**

Raise legumes—grow alfalfa, clovers, soys, vetch, peas and beans—they are valuable feed crops—but be sure to inoculate them. All Agricultural Colleges advise this. Inoculated legumes draw their nitrogen from the air—not from the soil. They are soil builders, not soil robbers. Inoculation will produce more vigor and vitality, increasing the yield, quality, and add fertility to the soil.



Sold in tins packed in a rich, soil-like granular medium, easy to mix with seed. Contents always fresh and bacteria active and vigorous.

The Original Soil Inoculator—Registered in the U. S. Dec. 6, 1898—over 28 years ago.

**Alfalfa, Clovers, Peas, Beans, Soys, Cowpeas**

1/4 bushel, size.....	\$ .40	Prices Reduced on Soy Beans, Cowpeas
1/2 bushel, size.....	.60	
1 bushel, size.....	1.00	1/2 bushel, size..... \$ .40
5 bushel, size.....	4.75	1 bushel, size..... .70
Always state kind of seed.		5 bushel, size..... 2.50

**Nitragin for Garden Uses**

Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans including Lima (3 in one Inoculant). Price..... 20 cents

**IMPORTANT**

**PROTECT YOURSELF:** Don't buy legume cultures without a date on labels. Date, same year seed is sown. They may be several seasons old and worthless. Agricultural Colleges recommend this protection. Every NITRAGIN label is dated.

**ALFALFA****Selection of Alfalfa Seed is Most Important**

Poor seed is a primary and great cause of a poor stand. In buying Alfalfa Seed the highest priced seed is often the cheapest. The loss is much greater in using seed of poor quality, than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

If seed germinates poorly, one must either plant more seed or expect a thin stand. Small, shrunken seed will not produce vigorous plants. Weedy seed means the introduction into the field of plantain, dodder, thistle, mustard or some other pest, ready to take advantage of the fine fertile soil and undo the work of two years' preparation.

**Inoculation is necessary.** Inoculation means putting or planting in the soil, nitrogen-fixing germs or bacteria without which the Alfalfa can not flourish. Where Sweet Clover grows wild, in the field or along the road-side, artificial inoculation for Alfalfa may not be necessary as the same germ grows on the Sweet Clover as on Alfalfa and natural inoculation takes place. But there is no other plant which commonly grows wild in the North that can support the same bacteria as the Alfalfa. All the legumes including clover, peas and beans bear bacteria but a special kind lives on each plant. These bacteria on the Alfalfa roots form nodules from the size of a pin head to a pea. Each nodule contains a colony of bacteria which keep taking nitrogen out of the air and forming nitrates. From nitrates the plant roots draw their nitrogen, since the plants can not use nitrogen direct from the air except to a very limited extent. Thus the bacteria on the roots prepare plant food. There are several methods of inoculating Alfalfa seed but we recommend the use of Nitragin as described on this page.

**Gould's Reliable Grimm Alfalfa**

Grimm is undoubtedly the variety best adapted to our Northwestern climate. Grimm Alfalfa has the hardiness to withstand our northern winters, and is recommended by leading authorities and experiment stations as being the one to plant. We know of Grimm Alfalfa fields that have been seeded ten and fifteen years ago that are still producing three good crops each year. Although the cost of the seed is generally much higher than that of ordinary alfalfa, we consider it the cheapest in the end. See our Red Figure price list for prices.

**CLOVER SEED****Medium Red Clover**

This is the recognized standard of the clover family. It produces two crops each year. The first is generally harvested for hay when in full bloom. The second crop may be harvested for seed, cut for hay, or plowed under for fertilizer. Refer to Special list for prices.

**Alsike or Swedish Clover**

One of the hardest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine stemmed and leafy and quickly cured. It makes a very profitable seed crop in many sections of the Northwest. See Special price list for prices.



## CLOVERS—Cont'd.

## Mammoth Red Clover

This variety is grown mostly for pasture and for soil-ing. It is a very vigorous grower, but is not desirable for hay unless cut when quite young. **Prices quoted on Special price list.**

## White or Dutch Clover

A low close growing clover, with round white heads. Very fragrant and desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. **Prices given on Special list.**

## White Blossom Sweet Clover

This variety is the one most generally referred to when sweet clover is mentioned. It makes the most abundant growth of any of the clovers. Because of its dense growth and enormous root system it is a very valuable soil improving crop. While it is a biennial and normally only grows for two years it will generally reseed itself if allowed to grow to maturity. Ohio Extension Bulletin No. 55 says that an acre of sweet clover will add as much nitrogen to the soil as 20 tons of manure. See **Red Figure price list for prices.**

## Yellow Blossom Sweet Clover

This variety grows finer and more spreading than the white and is not so tall. It matures more quickly than the White Blossom and for a second season the hay crop is probably preferable to White Sweet Clover because of its finer stems. Refer to **Red Figure price list for prices.**

## GRASSES

## Kentucky Blue Grass

Will outlive any other grasses for pasture or lawn, but should not be cut or pastured too closely in extremely hot, dry weather. The seed is very slow in germinating, therefore, it is advisable to plant with other varieties of quicker growing habits. Makes a sweet and nutritious pasture for all stock. See **Red Figure list for prices.**

## Perennial Rye Grass

Is a very quick growing grass and for that reason makes an excellent pasture. It thrives on rich, moist land, where from three to four cuttings may be made in a season. Grows very quickly and will stand close pasturage. See **Red Figure price list for prices.**

## Red Top

As a hay crop Red Top is next to Timothy in importance. It will do the best on rather moist soil, but will thrive on most any soil. It is a good variety to sow with Timothy or Clover for meadow or pasture, and is more permanent than either of the other two. **Prices quoted on Red Figure price list.**

## Meadow Fescue

Specially suited for pasture and is also fine for hay. Succeeds even in poor soil and will endure severe freezing. The hay is very nutritious and cattle thrive on it whether it is dry or green. **Prices quoted on Red Figure price list.**

## Orchard Grass

Is an early fibrous rooted perennial. Its rapid growth makes it very desirable for pasture. Withstands droughts better than most grasses. Will thrive in the shade such as in orchards and lanes. When closely cropped it grows up quickly, and is ready for grazing again in 10 to 12 days. See **Red Figure list for prices.**

## Bromus Inermis

This is a grass that has no equal for hardiness and drought resistance. It will grow in any kind of soil and in any kind of weather. Produces an abundant hay crop, and makes an excellent pasture. Brome Grass thickens up rapidly by underground roots or stems. A thin stand thus improves quickly. It forms a dense sod six to eight inches thick, thus binding the soil together and preventing it from being wind blown. **For prices see Red Figure price list.**

## Timothy

The principal thing to look at when about to sow Timothy, is the quality of the seed. Our reliable seed is tested, and is of superior quality. Ten pounds of good Timothy seed is sufficient for one acre making an inexpensive crop to seed. **Prices given on Red Figure price list.**

## Timothy and Alsike Mixed

For those who prefer to sow Alsike Clover and Timothy together, we have a mixture that has the right proportions for growing a splendid hay crop. See **Red Figure list for prices.**

## SORGHUM

As a soiling crop, sorghum will always prove of great value, since at least two crops can be obtained from one sowing. Milch cows are exceptionally fond of sorghum. It is excellent for milk production and a given area furnishes a large quantity of succulent food. An acre of sorghum yielding 15 tons of green forage would feed 50 head of stock for 10 days. It should be fed sparingly at first to avoid bloating. As a fodder crop it furnishes an enormous amount of feed. Sorghum outyields fodder corn, producing a richer and more nutritious feed of greater value.

## Minnesota Sorghum

This is the earliest and best for growing in Minnesota. It is of the best quality for syrup, and should be grown more extensively for that purpose. The cost of raising sorghum is small compared to the large returns. **Latest prices quoted on Red Figure price list.**

## Southern Amber Cane

Is very desirable if grown for fodder; but is not suitable for making syrup when grown in the North. It yields heavier than the Minnesota Sorghum but will not mature so quickly. It is fine for cutting in silos with other ensilage. Also makes a good pasture for hogs, sheep or cattle. All kinds of stock eat it readily. **Prices given on Red Figure list.**



Sorghum

## SUDAN GRASS

Sudan Grass belongs to the Sorghum family. It is an annual, lacking underground root stalks. Two cuttings can be obtained under favorable conditions, and may yield from 2 to 5 tons of cured hay per acre. It should be seeded about corn planting time. If for hay, sow about 25 to 30 pounds to the acre broadcast. Cut just before it comes to a head. If wanted for silage, sow about 10 pounds to the acre in rows and cultivate the same as corn, or it may be sown with fodder corn if preferred. Sudan, if cultivated, will grow to a height of 8 or 10 feet. See **Red Figure price list for latest quotations.**

## FIELD CORN

Seed corn is without a doubt the most particular seed crop to be handled of any farm seeds. And it is very important that it receive the care and attention that it should have. The selection of good seed corn is not a matter of picking a few large ears of corn, placing them in a corner of the barn or granary and leaving it there until seeding time. Then later stand the disappointment when only  $\frac{1}{4}$  of your corn grows.

The cost of seed is a very small item when you consider that from 5 to 8 acres may be planted from one bushel of seed. Even should good seed corn cost \$10.00 per bushel, the cost per acre would be less than \$1.50. Should a man take a chance on planting inferior seed corn and be obliged to replant a second time, his labor would be worth more than the original cost of Reliable seed corn.

Our seed corn is grown by men who have made a specialty of growing seed corn for more than 20 years and even though it may cost more than the average corn offered for seed we do not hesitate to state that it is well worth the difference in the price.

### DENT VARIETIES

#### Gould's Reliable Yellow Dent

Is considered to be the best and the safest corn to insure a good well matured crop.

Gould's Reliable Yellow Dent is an improved strain of Minnesota No. 13, having been selected for several years before it was offered for sale, with the result that it is larger and earlier than the Minnesota No. 13. Prices are given on Red Figure list.

#### Wisconsin No. 25

An extra early Yellow Dent corn resembling the Minn. No. 13. The stocks are about 8 to 12 inches shorter; the ears are produced nearer to the ground, and mature about 10 days earlier than Minn. No. 13. The Wisconsin No. 25 has become a great favorite. The last season's reports were very promising. See Red Figure list for prices.

#### Minnesota No. 13

Is so well known that it is unnecessary to devote any space to its description. It is the standard Yellow Dent for Minnesota, produces a nice uniform ear of fairly good size, and maturing about Sept. 1st. See Red Figure list for prices.

#### Golden Glow or Wisconsin No. 12

Produces a large well shaped ear containing from 16 to 20 rows of deep yellow kernels. Matures about September 10th. Please refer to Red Figure list for prices.

#### Silver King or Wisconsin No. 7

A semi-rough white dent having 12 to 16 rows of deep kernels. The ears are of medium size, well filled and mature early. Latest quotations are given on Red Figure price list.

#### Northwestern or Smoky Dent

The earliest Dent corn for the Northwest. This corn is in a class by itself, having red kernels with a yellowish cap, being a cross between the red flint and a yellow dent. It has inherited the earliness of the flint, and the size of the dent corn. Even though there are some objections to the color, its earliness, productiveness and high feeding value have made it very popular in many of our Northern States and Canada. Refer to Red Figure list for prices.

### FLINT VARIETIES

#### King Philip

Is an extra early Red Flint corn that is extremely hardy. Ears average about 10 inches in length. One of the best and most reliable early sorts. Refer to Red Figure price list for prices.

#### N. K. & Co.'s Triumph Flint

Was introduced in 1899 by Northrup King & Co. of Minneapolis, as the largest eared and most productive of all early Flint varieties. It matures in from 90 to 100 days from date of planting. The ears average about 11 inches, and are 12 to 16 rowed. The stalks are tall and leafy, generally producing two ears to the stock. See Red Figure price list for prices.

### FODDER CORN

#### Gould's Reliable Red Cob Fodder

Is a tall growing southern corn that will produce an abundance of feed per acre. The kernel is white and grows on a red cob, thus deriving its name. Prices given on Red Figure price list.

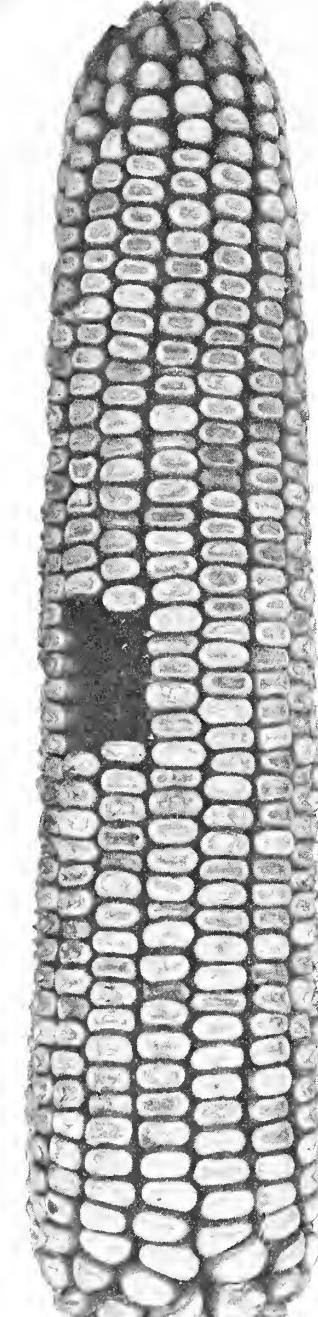
#### N. K. & Co.'s Elephant Fodder

Of the yellow dent type, but grows taller and more leafy than the average yellow dent corn, therefore producing a very heavy yield. See Red Figure price list for prices.

#### Gould's Southern Giant Fodder Corn

This is a very tall growing leafy variety of southern white corn. A very heavy yielder, often producing from 10 to 25 tons of green feed per acre.

We recommend sowing this corn very thick in order to prevent stocks from becoming too large and coarse. From one to two bushels per acre in drills may be sown with very good results. Prices given on Red Figure price list.



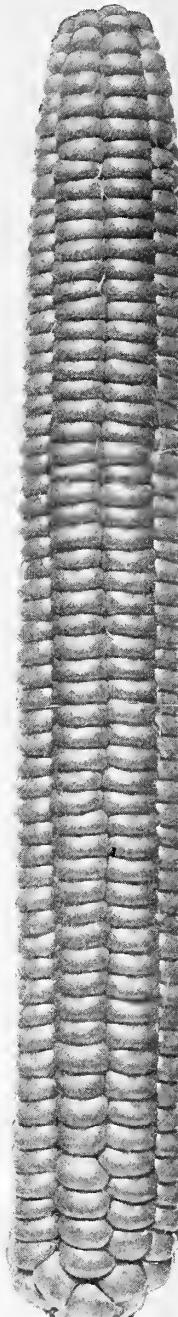
Gould's Reliable Yellow Dent Corn

#### Rustler's White Dent

This early White Dent corn is one of the best for early ripening in any of our Northern States. The ears are large, having from 14 to 18 rows of well shaped deep kernels. The average height of the stalks is 8 feet. See Red Figure price list for latest quotations.

**Use Semesan Jr. for Corn.**  
An effective dust treatment for the prevention and control of seed-borne diseases in corn.  
Also increases germinating strength of seed.

4 oz. ....	\$ .60
1 lb. ....	1.75
5 lbs. ....	8.00



Longfellow Flint Corn

#### Longfellow Flint or Canada Flint

It's a very early 8-rowed Yellow Flint. The stalks grow about 7 ft. high with ears about 11 inches long. This corn is adapted to the Northwest, and is a very heavy



## WHEAT

### Marquis Wheat

**EARLINESS.** Marquis Wheat is from one week to ten days earlier than Red Fife and this fact alone should induce many of our customers to grow it this Spring. Farmers everywhere appreciate earliness and what it means to the Wheat grower at a time when rust, smut, drought or hot winds may take his crop at any time. This week or ten days may save his entire crop from loss.

**PRODUCTIVENESS.** Marquis Wheat has out-yielded all other Spring Wheats grown under the same conditions of soil, cultivation and climate. The increased yield varies from 5 to 10 bushels per acre. Threshing reports from the three, big, hard Spring Wheat states this past season indicate the same favorable increase in yield of Marquis over other varieties, as has been the case every year since Marquis was introduced.

**APPEARANCE.** Marquis Wheat is similar in appearance to Red Fife, but the heads, as a rule, are heavier and the straw shorter, making it less likely to lodge. The kernel is flinty, a little darker in color than Red Fife, being dark red, and more plump than that variety. It is beardless, having smooth, yellow chaff. Under certain climatic conditions a small percentage of the heads sometimes show a reversion to the Hard Calcutta parent by bearing beards. Otherwise these heads are identical with the bald heads, maturing at the same time and containing the same size and shape of kernel. It weighs from 64 to 66 pounds to the measured bushel. **For latest price see Red Figure price list.**

### Macaroni or Durum Wheat

Is recognized as being the wheat that will produce a crop even in the hot dry regions of the country, where other varieties would be almost a total failure. It is a bearded variety, and produces under ordinary conditions a large glossy, yellowish kernel of beautiful appearance. **See Red Figure price list for latest quotations.**

### Minturki Winter Wheat

Minturki is a bearded, white-chaffed winter wheat which produces kernels of the well-known Turkey type. It is the result of a definite attempt made by the Minnesota plant breeders to produce a hardy winter wheat which also has other desirable qualities. Over 200 varieties from foreign countries and from other sections of the United States have been tried without obtaining any variety which proved fairly satisfactory for all characters. From testing these varieties it was found that Turkey winter wheat excelled in kernel characters and milling quality but was frequently injured during severe winters. Minturki is without question the best type of bearded winter wheat. **Prices given on Red Figure price list.**

## SUNFLOWER, MAMMOTH RUSSIAN

Are especially useful in the poultry run, as the large leaves furnish shade for young chicks, also, the seeds make a good addition to the poultry ration. **Prices given on Red Figure price list.**

## BARLEY

### Gould's Improved White Hulless

Is not a malting variety, but is recognized as the best for feeding. It is earlier than other varieties and produces more to the acre. The kernels are long and plump, having some resemblance to macaroni wheat. It is highly recommended by all who have tried it. We advise ordering early as we have never been able to obtain enough seed to supply the demand. **Prices are given on Red Figure price list.**

### Velvet Barley

A new introduction by the University Farm of Minnesota. A smooth awned, six-rowed variety which has proven very successful in a four year test on University trial plots in the State. **See Red Figure List for Prices.**

### Manshury

Is early and very vigorous in growth. It has a strong, stiff straw which very seldom lodges. The heads are long and well filled with grain of fine quality and color. It yields abundantly. **For prices see our Red Figure price list.**

### Oderbrucker or Wisconsin No. 55

A stiff-strawed, heavy yielding, six-row bearded variety. Of very good quality. It matures at about the same time as Manshury, but produces a plumper and heavier kernel. Those desiring to obtain seed to replace run out varieties will do well to purchase at least one or more bags of Oderbrucker. **See Red Figure list for prices.**

## POP CORN

Plant pop corn at the rate of 4 to 6 pounds to the acre.

### Black Beauty

A very early variety of a blue-black color. The kernels are large and smooth, popping to a very large size, and becoming very crisp and tender. **Refer to Red Figure price list for prices.**

### White Rice

This is the most popular of the pop corn family. The kernels are white and pointed, popping to a pure snow white. **See Red Figure list for prices.**

### Japanese Dwarf Rice

Very tender and almost hulless. Ears are short and chunky. Although the kernels are very small they pop to large size, being very tender and brittle. **Prices quoted on Red Figure price list.**

### Soiltex A test for acid soil

**SOILTEX Tells What Your Soil Needs**—With Soiltex, a new quick, easy and accurate soil testing method developed at the Michigan State Agricultural College, you can determine exactly in a few minutes whether your soil is acid, and how much lime it needs. Each outfit will make 75 to 100 tests. Full directions, color chart and lime table included. No special knowledge or equipment required. Postpaid \$1.00.



N. K. &amp; Co.'s Lincoln Oats.

## OATS

### Gopher Oats

Yields over 100 bushels per acre with farmers in Minnesota eager to pay a premium for seed stock because of its early maturing qualities, its stiff straw, and heavy yielding ability. Gopher Oats is having a brisk demand for seed in other states, and several orders from foreign countries, that, briefly is the story of Gopher Oats, a new development of the plant breeders of the University of Minnesota Experiment Station, as told by W. W. Tompkins in The Gopher Countryman of June, 1925. The Gopher Oats is of the 60-day type but it produces a heavy white kernel upon a good stiff straw, which will stand up well even on rich soil. The records of experimental plots on Gopher Oats from 1921 to 1925 show increased yields over all other varieties of from 10 to 25%. See Special List for latest prices.

### Gould's Selected Swedish Oats

These oats we do not hesitate to place among the best for our Northern climate. It is a heavy yielder of large, plump, white kernels. The straw grows quite tall, and does well on medium or light soil. Its habit of growth is so vigorous that on heavy soil it is likely to lodge. Our seed this year will be of the usual high standard. See Red Figure list for prices.

### Sixty-Day Oats

Is recognized as being the quickest maturing oats on the market. It is a good yielder and a sure cropper, being very often sown after other crops have failed. It is a small yellowish oat that weighs about 34 pounds to the bushel; the hull is very thin. It is so early that it may be harvested with barley, and is three weeks ahead of most other sorts. See Red Figure price list.

### N. K. & Co.'s Lincoln Oats

Is another oat that has given very splendid results. Owing to its strong stiff straw it very seldom lodges and may be raised with marked success in very rich soil. The hull is very thin and has a heavy meat. The color is a bright clean white. N. K. & Co.'s Lincoln Oats are grown in the Northwest and are well acclimated to the extreme weather conditions which exist here in spring and summer. Oats that will grow and thrive and produce big yields in the Northwest will do well anywhere and under nearly all conditions. Matures between the small early, and the late varieties. Refer to Red Figure list for prices.

### Silver Mine Oats

This variety is too well known to need an extended description. It is a heavy yielder, has a large, strong, white straw and a large grain with medium thin hulls. This variety is in big demand by those who supply manufacturers oats for making Rolled Oats. Prices are given on Red Figure price list.

## SOY BEANS

**CULTURE.** For silage, the usual amount of corn is planted and Soy Beans added at the rate of 10 lbs. per acre. Seed may be mixed in the planter box and stirred at each row end or planted from separate boxes. The two crops may be grown separately and mixed in the silo cutter three loads of corn to one of Soy Beans. The beans should be almost ripe when cut.

For hay, plant 60 to 90 lbs. per acre in rows 20 to 36 inches apart. Harvest when pods are well filled and leaves commence to turn. Allow to wilt in swath then rake up and place in small cocks. Curing sometimes requires several days and should be thorough. Soy Beans drop their leaves quite easily and should be cut before any number have fallen. They should be handled as little as possible to retain the most leaves.

For hogging off, plant 30 to 60 lbs. per acre in rows 20 to 42 inches apart. 20 inch rows can be made by straddling every other row with the corn planter. As soon as the beans are matured, turn in the hogs to harvest the crop.

### Early Black

Have given very gratifying results in the past few years. When planted with fodder corn, they add materially to the yield and quality of the silage. They also make a splendid hay crop when planted broadcast at the rate of 60 to 90 lbs. per acre. As a soil builder the Soy Beans are almost equal to Clover and Alfalfa. See Red Figure price list for prices.

### Manchu

A little later and trifle taller than Early Black. Especially adapted for silage and for hay. Grows from 24 to 36 inches high with very fine branching stems, and especially leafy. Grow erect, eliminating difficulties in harvesting, experienced with some varieties that lodge badly. Prices quoted on Red Figure price list.

## FIELD PEAS

### Canada Green Field Pea

Is of the same general character as the yellow, is used in the same way, and gives the same results, the only difference being in the color of the seed. See Red Figure price list for prices.



Increase your crop and quality of Soy Beans and Field Peas with Nitrakin. See page 44 for prices.

Are not only profitable as a dry shelled crop, but may also be used for hay, pasture, or soiling with excellent results.

Peas are second only to Clover in their soil enriching properties and can be grown under almost any condition of soil or climate.

### Canada Yellow Field Pea

The standard field pea of the Northwest, and needs no description. It is always in demand either as a dry pea for cooking, or for pigeons. Prices given on Red Figure price list.

### Large White Marrowfat

Vines grow 4 to 5 feet high bearing long round pods with 5 to 7 large round peas. Yields abundantly. See Special price list for latest quotations.



## MILLET

Millet is grown almost exclusively in these northern states for hay only, and we find that southern grown millet seed will produce a much heavier crop of finer hay than that grown from northern seed. We therefore offer none but true southern grown seed in any of our millets.

### German Millet

This variety is the most in demand of all millets. It should be cut when in full bloom, at which time it is most tender and sweet. When fed to dairy cows, it produces a larger amount of milk. Grows to a height of four to five feet on rich soil. Sow about three-fourths of a bushel to the acre. See Red Figure list for prices.

### Hungarian Millet

Is favored by some on account of its rapid growth, maturing about a week or ten days earlier than German Millet. Makes excellent hay, growing from two to four feet high. Prices listed on Red Figure price list.

### Japanese Millet

This is entirely distinct from any other millet. It grows from five to nine feet in height, and produces enormous crops of fine hay. If sown broadcast, fifteen to twenty pounds may be sown to the acre. It will however produce better results if sown in drills at the rate of ten pounds per acre and cultivated while small. It does best on low, moist ground. Refer to Red Figure list for prices.

### Siberian Millet

Earlier than either German Millet or Hungarian. Very valuable for the North and yields remarkably. It is extremely hardy, notwithstanding drought wonderfully. The leaves are very tender, making it excellent for hay. The plant stools to a remarkable degree, as many as thirty to forty stalks have been grown from one seed, and is not subject to rust. For prices see Red Figure price list.

Commercial fertilizer in addition to manure will greatly increase yields of crops listed on this page. Agricultural colleges are recommending more and more the use of commercial fertilizers. They pay you a big return.

## FLAX

Flax can be sown only about once in six or seven years on the same ground. It is a splendid crop to grow on new breaking, for it not only produces a good paying crop but it also helps to prepare the soil for future crops, leaving ground in a nice mellow condition. Before sowing, it is especially important to have the ground well firmed. Also be sure that there are no open spaces in the bottom of the furrows, as these are likely to cause the roots to rot. Sow 25 to 30 pounds to the acre, as early as possible and yet avoid the last killing spring frost.

### Common Flax

Is used to a great extent on entirely new soil with very good results. We take special care of securing seed that is entirely free from foul seeds. See Red Figure list for prices.

## RYE

### Spring Rye

Makes an excellent crop for sowing where winter grain has been killed off or for soiling. It can also be grown for a grain crop by being seeded early in the spring and harvested in the same season, like wheat or oats. Does not grow quite so large a straw as winter rye, but usually yields well. Sow about 1½ bushels to the acre. Latest prices are given on Red Figure list.

### Rosen Rye

Has proven itself to be so far superior to any other winter rye, that we would consider it a waste of space to list any other variety. It is a heavy yielder with a nice large kernel. The straw is big and strong and will stand the weather better than any other variety. Refer to Red Figure list for prices.

## SPELTZ

Speltz is coming to the front in great strides as a standard crop. It thrives under most unfavorable conditions and produces an abundance of very nutritious feed. It is readily eaten by all kinds of stock and has shown itself to be especially adapted when fed to milch



A Plot of German Millet  
Raised from True Southern Grown Seed. Note the Heavy Growth

cows. It is better to mix it, however, with bran and shorts as it is a pretty heavy feed when fed alone. As a swine feed, we think very well of it, especially for brood sows. While not quite equal to oats, it makes a fair horse feed. It yields more than wheat or barley and even the straw if cut slightly green has a good amount of feeding value. Prices are given on Red Figure price list.

## BUCKWHEAT

Buckwheat can be used to very good advantage in a great many different ways. Can be sown as late as July and still produce a crop, or it may also be plowed under for soiling. Sow ½ to 1 bushel per acre, as late as possible, and still have crop well developed before severe frosts occur. Light, well-drained soils are best for this crop.

### Silver Hull

Is a decided improvement on the old common varieties. It stays in bloom longer, therefore is better for bees. The kernel is of a beautiful light gray color, with a thin hull. Is a very good yielder. Millers prefer Silver Hull, there being less waste and it makes whiter, nuttier and more nutritious flour than other varieties. Latest market prices given on Red Figure price list.

### Japanese

Will produce a larger growth and will stand dry weather better than any other variety. The kernel is large, dark brown and matures very early. As much as 40 bushels to the acre have been harvested of this variety, making it very profitable to raise. Refer to Red Figure price list for prices.

## RAPE

### Dwarf Essex

Rape is one of the surest crops for late pasturing. The leaf resembles the rutabaga very much, but will produce a heavier growth, that is relished by hogs, sheep and cattle. It may be sown as late as July 1st, and produce a very fine fall pasture. Prices given on Red Figure price list.

## VETCH

### Sand or Winter Vetch

This is a very valuable forage plant and is rapidly becoming more popular each year, as the farmers and gardeners learn more of its great value. Not only does it produce an enormous amount of very valuable feed, but it at the same time restores to the soil a great amount of fertility which is so much needed. From 50 to 60 lbs. of seed is required to the acre. Prices quoted on Red Figure price list.



Insecticides  
are not  
mailable

# INSECTICIDES AND FUNGICIDES

Prices Subject to Change—See Special List for Quantity Prices.

Fungicides  
are not  
mailable

All insecticides being of a poisonous nature cannot be sent by mail, therefore all prices quoted are net F. O. B. St. Paul, Minn., to be shipped by express or freight.

## Acme All-Around Spray

A combination spray containing Nicotine Sulphate, Arsenate of Lead and Bordeaux Mixture. This makes an ideal spray for the Home Gardener, being a combination of stomach poison, contact insecticide and fungicide.  $\frac{1}{4}$  lb., 35c; 1 lb., 85c.

## Arsenate of Lead (Powdered)

This is the standard stomach poison for all leaf eating or chewing insects. In preparing the mixture the Arsenate of Lead should be made up into a thin paste by the addition of a small quantity of water and then diluted to the required strength. On smooth or waxy foliage such as cabbage the liquid does not stick very well. This difficulty is overcome by adding a "spreader" such as common laundry soap at the rate of 3 pounds to 50 gallons of spray. Lead Arsenate is used at rate of 1 to 2 pounds to 50 gallons of water, or 6 to 9 level teaspoonsful to 1 gallon of water. To use dry mix 1 part Arsenate of Lead with 5 to 8 parts of Hydrated Lime.  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 4 lb., \$1.00.

## Acme Garden Guard

A mild insecticide dust for general use in the home garden. Dust on plant from shaker top carton. 1 lb., 25c; 5 lbs., 75c.

## Acme 2-Way Spray

A combination of Arsenate of Lead and Bordeaux Mixture in powdered form. Controls chewing insects and combats blight. Contains 14% Arsenate of Lead and 83% Bordeaux Mixture. Use either wet or dry, 9 level teaspoonsfuls to a gallon of water.  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 4 lbs., \$1.25.

## Bait M

An effective Cut Worm control for the small home garden. Easy to apply. 1 lb. 35c; 3 lbs. 75c.

## Black Flag (Liquid)

A liquid insecticide for quickly exterminating flies, moths, mosquitoes, fleas, etc. Black Flag liquid will not stain clothing, rugs, draperies, wall paper or furniture. One of the best fly sprays on the market. Try it.  $\frac{1}{2}$  pt. 25c; pt. 45c; qt. 85c; gal. \$2.50.

## Black Flag (Powder)

An old standard flowers of Pyrethrum insecticide for ants, bed bugs, fleas, roaches, etc. Also for plant and chicken lice. Not a poison. Is harmless to mankind and animals. Will protect your furs from moths. One of the best insect powders ever offered. Small size 15c; medium 40c; large 75c.

## Black Leaf 40

This is a 40% solution of Nicotine Sulphate, very highly recommended by experiment stations and by spraying experts throughout the United States and Canada. Very valuable for the control of plant lice and other sucking insects. It kills by coming in contact with the body of the insect. Use  $\frac{1}{2}$  pint to 50 gallons of water or 1 level teaspoonful to 1 gallon of water. 1 oz. 35c;  $\frac{1}{2}$  lb. \$1.25; 2 lbs. \$3.25; 10 lbs. \$11.85.

## Black Leaf Nicotine Dust

Recommended for the control of Aphis, Cucumber beetle and Squash bug. The Wisconsin Experiment Station recommends Nicotine Dust very highly for beetle control. 5 lbs., \$1.50.

## Bordeaux Mixture

A Bordeaux Mixture in dry powdered form for convenience. Very valuable as a fungicide. Bordeaux Mixture is effective against many diseases caused by fungi gaining entrance to plants through parts above ground. Used at the rate of  $\frac{3}{4}$  to 1 pound for each 5 gallons of water or  $\frac{3}{4}$  tablespoonsfuls to  $\frac{1}{2}$  gallon of water. 1 lb. 40c; 4 lbs. \$1.00.

## Copper Sulphate

Also known as Blue Vitriol and Blue Stone. Is used for making Bordeaux Mixture by dissolving 4 pounds Blue Stone and 4 pounds Hydrate or Stone Lime in 50 gallons of water. This will make a 4-4-50 Bordeaux. By using 5 lbs. Blue Stone and 5 lbs. lime one can make a 5-5-50 Bordeaux. 1 lb. 20c; 5 lbs. 75c; 25 lbs. \$3.00.

## Corrosive Sublimate

This is a chemical prepared in powder form and when dissolved in water is very effective against seed borne diseases of potatoes, cabbage, cucumbers, etc. It is also coming into common use for the control of root maggot in cabbage, cauliflower, radish and other allied crops. The usual formula is 1 to 1,000 or 1 ounce Corrosive Sublimate to 8 gallons of water. Use only wooden, glass or earthen-ware containers for handling this solution as it corrodes other materials. 1 lb. \$2.75.

Copper Carb

A copper carbonate dust for treating wheat against smut. Use 2 to 3 ounces of Copper Carb to each bushel of wheat and mix thoroughly. A very effective control. 5 lbs., \$1.00.

## Corona Dusting Sulphur

An extra fine-dusting sulphur, very useful as a fungicide. It is used on Apples, Cherries, Plums, Roses, Grapes, Lilacs, etc., for the control of powdery mildew. It should be dusted on early in the morning while the dew is still present.  $\frac{1}{2}$  lb. 15c; 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40.

## Corona Tobacco Dust

Corona Tobacco Dust may be used in the seed bed to prevent maggots. Especially valuable against root lice on Asters and other plants.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40.

## Cyanogas (Calcium Cyanide)

**Cyanogas G. Fumigant.** Insects which do not yield to stomach poisons as a rule can be controlled by fumigation and Cyanogas G. is a standard for greenhouse fumigation. Ease of application, high efficiency and low cost have gained for Cyanogas G. Fumigant the endorsement of leading growers all over the world. Solve your fumigation problem with Cyanogas G. Fumigant. 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

**Cyanogas A. Dust.** For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Calcium Cyanide is highly recommended for rat control in United States Department, Agricultural Farmers' Bulletin 1533 issued June, 1927. 1 lb., 75c.

## Evergreen

An emulsion of flowers of Pyrethrum. Evergreen is an extremely effective contact insecticide. As efficient as Black Leaf 40 and having the additional advantage of being non-poisonous and perfectly harmless to man, birds and animals. Indorsed by Experiment Stations, Home Gardeners, Market Growers and Florists. Price,  $\frac{1}{2}$  oz. bottle, 35c; 6 ozs. \$1.00; 16 ozs., \$2.00; 32 ozs., \$3.85; 1 gal., \$13.00.

## Fish Oil Soap

Fish Oil Soap is an effective insecticide for plant lice. It is dissolved in hot water at the rate of 1 pound of soap to every 5 or 10 gallons of water. 1 lb., 35c.

## Formaldehyde

Recommended by United States Department of Agriculture and State Experiment Stations for protection against seed-borne diseases. One pint in 30 gallons of water will prevent potato scab if tubers are soaked for two hours and planted in clean soil. 1 pint in 45 gallons of water will prevent oats smut and stinking smut of wheat. For onion smut use one pint of formaldehyde to 16 gallons of water. 1 lb., 50c; 1 gal., \$3.25.

## Grape Dust

A powder preparation which is very effective in destroying blights. Especially recommended for mildew on roses and grape vines. Preferable applied with duster. 1 lb., 35c; 5 lbs., \$1.00.

## Lime-Sulphur, Concentrated Solution

Convenient to use, free from sediment, requires no preparation other than stirring into water. One of the best remedies for San Jose scale. 1 qt., 40c;  $\frac{1}{2}$  gal., 60c; 1 gal., \$1.00; 5 gal., \$3.75.

## Dry Lime-Sulphur

Powdered Lime-Sulphur is becoming quite popular because of ease of handling, and the fact that it does not deteriorate in storage. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

## Gould's Minnesota Gopher Poison

A pocket gopher poison put up according to the formula recommended by the University of Minnesota. If you are troubled with pocket gophers try this proven remedy. Each package contains sufficient poison to prepare four quarts of vegetable bait. Package, 50c.

## White Hellebore

A powder which kills by contact, or as a poison when eaten. Especially valuable in controlling worms on ripening fruit because it loses its poisonous effect within a few days after application. Hellebore is a popular method of control for the currant worm. For wet application 4 ounces to 2 or 3 gallons of water. For dry application 1 pound of Hellebore to 5 pounds of flour or air-slaked lime.  $\frac{1}{2}$  lb., 20c;  $\frac{1}{2}$  lb., 35c; 1 lb., 65c.

## Nico Fume Liquid

A highly refined solution of free Nicotine for greenhouse fumigation.  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.00; 4 lbs., \$7.00; 8 lbs., \$13.00.

**Nico Fume Paper**

For fumigating greenhouses, conservatories, etc. This paper deteriorates with age, so to be sure of giving you fresh stock we have your order sent direct from the factory. 24 sheets, \$1.25 postpaid; 144 sheets, \$5.25 postpaid; 288 sheets, \$9.50 postpaid.

**Paris Green**

The old reliable potato bug poison. Care must be exercised in using Paris Green as there is danger of burning the foliage if used too strong. For this reason Bordeaux is often used with Paris Green thereby reducing the danger of injury to the foliage.  $\frac{1}{4}$  lb., 20c; 1 lb., 50c; 4 lbs., \$1.50.

**Pyrox**

A combination insecticide and fungicide in paste form. Does all that Arsenate of Lead will do besides protecting trees, shrubs, vegetables, and plants against fungous disease; one application answering both purposes, saving labor and expense. Sticks like paint in spite of heavy rains. Ready to use by simply adding water. 1 lb., 50c; 5 lbs., \$1.75; 10 lb. can, \$3.00.

**Scalecide**

A reliable simple and economical spray for San Jose and other scale insects. Also valuable as a control measure, in the delayed dormant spray, for Aphis, Leaf roller, bud moth and European red mite. Scalecide is much more agreeable to use and is less corrosive to the pump than lime sulphur. It mixes readily with cold water and is immediately available for use. Spray thoroughly. Fogging is better than drenching. Mix 1 part Scalecide to 15 parts of water and use only as a dormant spray. Full directions accompany each package. 1 qt., 75c; 1 gal., \$1.75; 5 gals., \$6.25. Price on larger quantities quoted on request.

**Semesan**

**Controls "DAMPING-OFF" and Seed-borne Diseases of Grain, Field and forage crops, Vegetables, Corn, Potatoes and Flowers.**

The Semesan disinfectants have revolutionized seed-disease treatment and represent the most remarkable advancement of the century in scientific agriculture. Semesan, a complex organic mercury compound while primarily a disinfectant for the control of seed-borne diseases, possesses also the remarkable properties of quickening and increasing germination; of producing more vigorous seedling growth, and of increasing crop yields from five to forty per cent. It is suitable for the treatment of field, truck, forage and cereal crops, flowers, grasses and ornamental plants. Applications of Semesan by the dusting or liquid methods will not harm the seed germ. 2 ozs., 50c; 8 ozs., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$62.50; 100 lbs., \$240.00.

**Semesan, Jr.** Provides an unusually effective dust treatment for the prevention and control of seed-borne diseases in corn. In addition to controlling diseases it increases the germinating strength of the seed. Semesan forms a film around the corn kernel which protects it from rot and decay in a cold wet Spring. 4 ozs., 60c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 100 lbs., \$140.00.

**Semesan Bel.** This is the new instantaneous dip treatment for potatoes that is fast replacing all formerly practised methods of seed potato disinfection and is equally useful for controlling diseases of similar roots and tubers of other vegetables and flowers. Ask for Semesan Bel booklet. 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 100 lbs., \$140.00.

Have special Semesan booklets on, Vegetable, Flower, Cereal, Potato, Corn, Dampening-Off, or Seed Disinfectant, which we will be pleased to send you.

**Slug Shot**

A non-poisonous and a very popular insecticide; it requires no further mixing or preparation, easily applied and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effective in destroying cabbage and cauliflower worms, potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. 1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.25. (Mailable).

**Sulfocide**

A powerful fungicide for summer spraying. Excellent for mildew on roses. When sprayed it quickly decomposes leaving a film of extremely fine sulphur. This sulphur is so fine as to be almost invisible except where drops accumulate. It is actually precipitated on the leaf as true colloidal sulphur, which is sulphur in its strongest fungicidal form. 1 pt., 70c; 1 qt., \$1.00; 1 gal., \$2.75. Price on larger quantities quoted on request.

**Sulpho-Tobacco Plant and Animal Soap**

An efficient insecticide for Aphis, Mealy Bug, Red Spider and many other insects on plants, shrubs and trees. It is also highly recommended for use as a soap bath for cats and dogs. It will not only rid them of vermin, but will also leave them with a clean, healthy skin. 3 oz. cake, 15c; 8 oz. cake, 25c; 1 lb., 40c.

**Tree Tanglefoot**

Tree Tanglefoot is a sticky compound similar to that used in making sticky Fly Paper. It is easily applied and is the most effective and economical protection for fruit, shade and ornamental trees against all crawling insects. Particularly recommended against Canker Worm, Climbing Cut Worms, Ants, Tussock Moth, Brown-tail Moths and Gypsy Moths. Full directions on every can. 1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25; 25 lbs., \$11.00.

**"43" for the Tree (Plastic)**

A new plastic compound for use in tree surgery. "43" protects your tree by forming a waterproof dressing over the wound thereby checking disease. 1 lb., 50c; 2 $\frac{1}{2}$  lbs., \$1.00; 5 lbs., \$1.75; 10 lbs., \$2.75; 50 lbs., \$11.00; 100 lbs., \$17.50.

**"43" for the Tree (Liquid)**

"43" liquid is more than an ordinary pruning paint it is a scientific compound of healing ingredients which penetrate into the wood and will check disease from entering the wound. "43" liquid also furnishes a valuable protection against injury from rabbits and field mice. 1 pt., 50c; 1 qt., 95c; 2 qts., \$1.75; 1 gal., \$2.75; 5 gals., \$11.00; 10 gals., \$17.50.

**Volck**

One of the most powerful insecticides known; effective on practically all insects of ornamental and flowering plants, being especially effective against Red Spider, Cyclamen mite, Aphis and scale. It is also useful as a control for mildew on roses. Volck must not be used in combination with sulphur spray compounds.  $\frac{1}{2}$  pt., 50c; 1 pt., 75c; qt., \$1.00; 1 gal., \$3.00; 5 gals., \$12.50.

All insecticides being of a poisonous nature cannot be sent by mail, and all prices quoted are net F. O. B. St. Paul, Minn., to be shipped by express or freight. Please write us for quantity prices if interested.

# FERTILIZERS

**Floranid**

A highly concentrated organic nitrogen fertilizer. 92 times stronger than manure. Clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees.

FLORANID is the most highly concentrated nitrogen fertilizer, containing 46% available nitrogen (equivalent to 55½% ammonia). No other fertilizing material contains anything like as high a percentage.

Nitrogen is one of the principal constituents of plant food. It is the one that is first to affect the plants, producing quick and vigorous growth. Nearly all soils are deficient in nitrogen.

A ton of stable manure contains valuable material, but on an average, only 10 pounds of nitrogen. A ton of FLORANID contains 920 pounds of nitrogen and, therefore, only small quantities are required.

FLORANID is a powerful plant builder and plant food. Vegetables and berries when fertilized with FLORANID will be more abundant and of better size, color and flavor. Flowers will be richer in color, larger, more prolific and more fragrant.

FLORANID contains more nitrogen plant food than any other fertilizer material, so much less is required for a given area. The results will justify its purchase, from the viewpoint of quantity, quality and earliness of the crop, the saving in transportation charges on the fertilizer, and in handling and labor.

FLORANID is urea (B A S F) which trademark identifies the brand. This material has attracted the attention of soil scientists all over the world who speak of it in the highest terms of praise. Prices are as follows: Trial size 15c postpaid;  $\frac{1}{2}$  lb. can, postpaid 50c; 1 lb. can postpaid 75c; 50 lb. bag, \$10.00; 143 lb. bag, \$19.00 F. O. B. St. Paul. **Ton Price Quoted on Application.**

**Nitrophoska (15-30-15)**

A high analysis imported fertilizer which is highly recommended for the Greenhouse, Garden and Nursery. 2 ozs., 15c; 1 lb., 50c; 5 lbs., \$1.50 postpaid; 10 lbs., \$2.25; 25 lbs., \$4.50; 50 lbs., \$8.00; 100 lbs., \$14.00; 200 lb. bag \$24.00 per bag; one ton \$155.00 F. O. B. St. Paul.

**Agricultural Gypsum or Land Plaster**

Is a fertilizer containing Calcium and Sulphate Sulphur. A very valuable fertilizer for soils lacking in sulphur. In the barn or barnyard it is used to preserve or retain the ammonia in manure. Also used as a dust against the cucumber beetle and squash bug by dusting on and around the plants when infested. See Red Figure Price List for Prices.

Fertilizers continued on next page.

# FERTILIZERS—Continued

## Why Fertilize Our Crops

The big reason for the growth in the consumption of fertilizers lies in the fact that commercial fertilizers increase profits wherever properly used. Our soils are still being robbed of their available fertility, and consequently, IN MANY CASES, THEY ARE NOT PAYING REASONABLE PROFITS. Fertilizers will help bring these soils back into the money-making class. Fertilizers give crops a good start, hasten maturity, improve quality, and increase yields. Fertilizers pay on rich soils. Do not ignore the plant-food question because your soil produces good yields. It can produce bigger and better crops. Try out available plant-food on your best and poorest soils and see for yourself.

## Fertilizers are Plant Food Carriers

Fertilizers are carriers of plant-food in an available and concentrated form. They contain the three elements of plant food most needed in crop production—Nitrogen, usually referred to as ammonia; Phosphorus, known to the buyer as phosphoric acid; and Potassium, known as potash. Each of these elements performs definite functions in plant growth.

## Flowers, Shrubbery and Trees

Every home can have flowers, shrubbery and trees that will beautify and add charm and balance to the landscape. Varieties must be selected that are suited to the climate, they must be properly planted and well cared for and liberally fed with ARMOUR'S LAWN AND GARDEN GROWER.

## What Plant Food Does

AMMONIA promotes stem and leaf growth, increases the tillering or stooling of grasses and small grains, favors root development, and produces new wood on apple, peach, and other fruit trees. In general, it gives to the foliage the healthful green color characteristic of vigorous growth.

PHOSPHOROUS produces vigorous root growth early in the season—a most important function—and also promotes early ripening. When crops are slow to mature and take weeks when they should take days, it indicates a most serious lack of this all-important plant food.

POTASH favors starch formation and aids in making heavy grains. It also stiffens the stems of grasses and grains and thus helps prevent lodging. Crops which have sufficient potash have a greater disease resistance.



## Armour's Lawn and Garden Grower

ARMOUR'S LAWN AND GARDEN GROWER is superior for home use. It contains sixteen times as much plant food as fresh manure and four times as much as pulverized sheep manure. Figure the relative cost on this basis and you will readily see which is the cheapest per pound of plant food. Fresh manure is offensive to handle and introduces weed seeds that ruin the lawn and make more work in the garden. ARMOUR'S LAWN AND GARDEN GROWER does not have an offensive odor like pulverized sheep or fresh barnyard manure. These manures are markedly deficient in available phosphoric acid, while ARMOUR'S LAWN AND GARDEN GROWER is rich in this plant food element which favors the growth of white clovers in lawns and produces bumper crops of vegetables and beautiful flowers. Potash is the third important element and assists wood growth in trees and shrubs and is very essential to the growth of root crops of vegetables and flowers grown from bulbs. ARMOUR'S LAWN AND GARDEN GROWER contains a liberal supply of potash in an available form. Manures do not. See Special List for Prices.

## Nitrate of Soda

Most available and the quickest commercial nitrogen used to force maturity of vegetables and flowers. It should be applied only when the plants are above ground. See Special List for Prices.

## Muriate of Potash

Imported or domestic Muriate, recommended for all root crops. May be used with Bone Meal and Dried Blood or natural fertilizer—for fruits, celery, asparagus, etc. See Special List for Prices.

## Sulphate of Ammonia

A highly concentrated Nitrogen fertilizer which is very quickly available to the crops. It is dry and odorless and carries 25 1/4% ammonia. See Special List for Prices.

## Armour's Bone Meal

Very good for fall application on lawns, meadows and permanent pastures, also valuable in greenhouses for benching, rose beds, pot and bench plants. It is finely ground and of first quality. Decomposition starts quickly and continues throughout the growing season, improving soil fertility as well as feeding the plants. Apply 25 lbs. per 1,000 square feet on lawns, 50 lbs. per cubic yard for benching pot plants and roses. Please Refer to Special List for Prices.

## Armour's Raw Bone

This is the best animal fertilizer made. Manufactured from slaughter house bones, slightly steamed to soften and make action more rapid. Raw bone does not break down or decompose as quickly as Bone Meal and it is better for crops not needing quickly available food. It is excellent for rose beds, plants, vines, shrubs and trees (fruit or shade), good for bulbs indoors or outside. For roses and plants, use 50 lbs. per cubic yard, 25 lbs. each for grown trees. For shrubs and vines apply at the rate of 25 lbs. to 1,000 square feet. Refer to Special Price List for Prices.

## Armour's 4-8-6 Fertilizer Vegetable Grower

For all soils other than muck or peat—a concentrated fertilizer especially prepared for Truck Farms, Home Gardens, Potting Earth and Top Dressing—for asparagus, beans, beets, peas, carrots, cabbage, cucumbers, onions, tomatoes, potatoes, strawberries, etc. Apply 300 to 800 lbs. per acre. Use one part to 50 for potting earth. Scatter 20 lbs. per 1,000 square feet for top dressing. Prices are given on Special Price List.

## Armour's Big Crop 2-8-16 Fertilizer

### Vegetable Grower for Muck and Peat Soils

Muck and peat soils are usually high in nitrogen but in the spring at planting time are cold and bacterial action is slow. A small amount of quickly available nitrogen is necessary to give the plant an early and vigorous start. This fertilizer is especially adapted to cabbage, lettuce, beets, celery, and all early truck crops raised on muck and peat soils. Apply at the rate of 300 to 800 lbs. per acre. See Special List for Prices.

## Armour's Acid Phosphate

(20% Available Phosphoric Acid)

Should be used in connection with manure and an application of 50 lbs. of Super Phosphate per ton of manure gives good results. Straight applications should be made at the rate of 200 to 800 lbs. per acre. Very good for clover, alfalfa, field beans, and peas, winter wheat, rye, barley, etc. Prices given on Special List.

## Armour's Big Crop 0-14-14 Fertilizer

Especially prepared for field crops on acid muck or peat soils, for clover, grain, etc., changing to 0-11-22 fertilizer on the non-acid or high lime muck or peat. Note—1,000 to 1,500 pounds per acre for onions on high lime muck and peat soil using the 0-14-14 fertilizer. Please refer to Special List for Prices.

## Armour's Big Crop 0-9-27 Fertilizer

An excellent composition for high lime muck or peat soil for root crop and especially potatoes respond readily to applications of this fertilizer. Applications of 600 to 700 pounds per acre give the best results. Prices quoted on Special List.

## Sheep Manure—Pulverized

A natural manure, very good for hot house, benching earth, and house pot plants—also good for lawn dressing, and gardens. Contains nitrogen, phosphoric acid and potash. It is dried, pulverized and screened. Apply in the spring at the rate of 100 lbs. per thousand square feet. Prices are given on Special Price List.

## PLANT FOOD

### Hoover's Plantlife

A food that promotes growth, health and vigor in plants of all kinds. A plant shut up in pot or box, soon eats all the food from the ground and will die if not fed in some way. If you re-pot your plant, you retard its growth, because you have disturbed the little roots that reach out for food. Hoover's PLANTLIFE takes the place of re-potting. All you need to do is put a little PLANTLIFE under the surface of the soil and keep the ground loose and moist. One application will take care of your plant from three to six months or more. Can 35c; post-paid 40c.

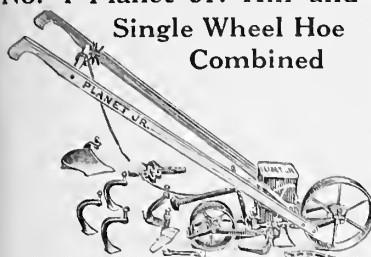
## Stim-U-Plant Tablets

These tablets are a plant food, you can feed the plants as they need food throughout the season, and keep the development absolutely under control. Stim-U-Plant tablets increase production, hasten maturity and improve the quality of the plants. Have a guaranteed analysis of 11 per cent Nitrogen; 12 per cent Phosphoric Acid; and 15 per cent Potash, all water soluble and immediately available for Plant food. 10 tablet size 15c; 30 tablet size 25c; 100 tablet size 75c; 1,000 tablets \$3.50, postpaid.



## GARDEN TOOLS

### No. 4 Planet Jr. Hill and Single Wheel Hoe Combined



seeds in drills, or drops in hills 4, 6, 8, 12 or 24 inches apart. Cultivating attachments handle all cultivation.

#### Drill Seeder and

**Equipment:** 1 garden plow, 3 steel cultivator teeth, 1 pair of hoes, 1 leaf lifter, capacity 2½ quarts. Price, \$18.00.

**No. 4-D Seeder only.**

Price, \$14.25. **No. 25.**

**Same as No. 4, but as a Double and Single Wheel Hoe. Price, \$22.50.**

The biggest selling combination of its kind on the market. It sows all vegetable

seeds in drills, or drops in hills 4, 6, 8, 12 or 24 inches apart. Cultivating attachments handle all cultivation.

**The No. 26 Drill Seeder is an improved Drill Seeder for any soil but particularly the Muck land requirement.**

It has wide tread wheels required in Muck; Index is unusually accurate; Opening Plow makes clean cut drills, wings prevent soil dropping back and wind blowing seed. Shaft Drive Gear protected from dirt. Floating Covers can be removed if desired. Markers make clean cut marks on all soils. Capacity 4 quarts. Scrapers, adjustable on front wheel; spring tension on rear wheel. Price \$21.00.

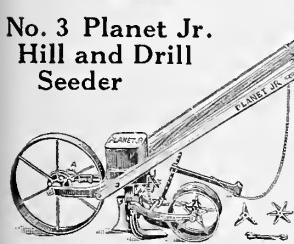
**A great favorite among Market Gardeners.**

Sows all vegetable seeds in drills, or drops in hills 4, 6, 8, 12 or 24 inches apart. Sows at the proper depth and thickness and economically; produces straight rows and a uniform stand, making cultivation easier. The hopper holds 3 quarts. Price, \$17.50.

### No. 26 Planet Jr. Drill Seeder



### No. 3 Planet Jr. Hill and Drill Seeder



### No. 11 Planet Jr. Double and Single Wheel Hoe Combined. Price \$13.75

A wonderful combination of a Double and Single Wheel Hoe with a variety of cultivating attachments that takes care of every kind of cultivation in the home or market garden. As a Double Wheel Hoe it straddles the row, cultivating both sides at one time, until plants are 20 inches high.

As a Single Wheel Hoe it is a wonderful time saver and does a great variety of work.

### Seeder and Single or Double Wheel Cultivator No. 201

The No. 201 Machine is a combination outfit which may be used as a hill or drill seeder, double or single wheel cultivator, plow or hoe, as conditions require. It has all the equipment to serve the gardener from the initial seeding, until final cultivation. It is readily converted from one use to another.

Gives perfect control of the seed flow and insures a uniform drop. Sows all seeds from beans down to the finest garden variety, in continuous drills, or hills 4, 6, 8, 10, 12 or 24 inches apart. Adjustments permit planting at any depth up to 2 inches. Price, \$16.00.

### Hill and Drill Seeder No. 205

The No. 205 is a hill and drill seeder, which can be made into a cultivator, or the complete No. 201 Outfit by adding the cultivating equipment, as the steel frame and arch are standard.

**No. 205. Hill and Drill Seeder. Price, each.....\$12.00**



### No. 12 Double and Single Wheel Hoe

A popular combination—used by thousands of Home and Market Gardeners everywhere. Has No. 11 equipment except 4½-inch hoes and rakes. Price, \$10.75.

### No. 13 Double and Single Wheel Hoe

A great favorite among onion growers. **Equipment:** 1 pair of 6-inch hoes, the most useful attachments. Other attachments can be added at any time. Price, \$8.00.

### No. 16 Planet Jr. Single Wheel Hoe

Lighter than a Double Wheel Hoe and almost as useful to those who prefer a light tool. The variety of attachments will handle practically any cultivating, hillling, furrowing, etc., in the garden.

**Equipment:** 1 pair of 6-inch hoes, 3 steel cultivator teeth, garden plow, 1 3-tooth and 1 5-tooth rake, 1 leaf lifter. Price, \$9.00.

**No. 17 Single Wheel Hoe.** Same as the No. 16, less the rakes and leaf lifter. Price, \$7.75.

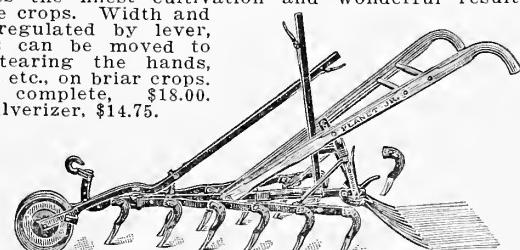
**No. 17½ Single Wheel Hoe.** Same as the No. 17 less the Plow. Price \$6.75.

### No. 18 Single Wheel Hoe

Equipped with 1 pair of 6-inch hoes only, the most useful attachments. A great favorite among Market Gardeners; a wonderful time and labor-saver. Other attachments can be added whenever desired. Price, \$5.75.

### No. 90 Planet Jr. 12-Tooth Harrow, Cultivator and Pulverizer

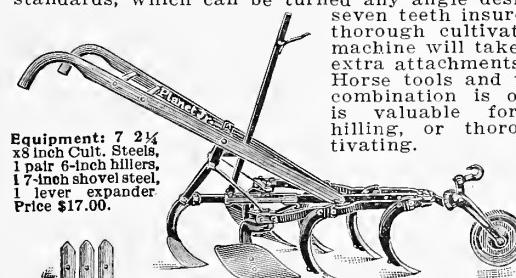
A great tool for the vegetable and berry growers. It gives the finest cultivation and wonderful results in these crops. Width and depth regulated by lever, handles can be moved to avoid tearing the hands, clothes, etc., on briar crops. Price, complete, \$18.00. Less pulverizer, \$14.75.



### No. 82 Planet Jr. Horse Hoe and Cultivator.

Price \$17.00

The No. 82 is a 7-tooth machine. It has reversible side standards, which can be turned any angle desired. The seven teeth insure fine and thorough cultivation. The machine will take all other extra attachments for One-Horse tools and the whole combination is one which is valuable for hoeing, hillling, or thorough cultivating.



### Planet Jr. No. 220 Fertilizer Distributor

Will distribute from 100 to 2,000 lbs. of commercial fertilizer per acre, spreading it from 4 inches to 30 inches wide. The hopper holds one bushel. The agitator is operated by lugs on the drive wheel which is 24 inches high. Price \$27.00.

### Fertilizer Distributor

A machine that will distribute evenly, Commercial Fertilizer, Limestone and Sheep Manure, covering a strip 3 feet wide. The wheel is wide, 18 inches high. Any desired capacity can be had, ranging from 100 to 2,000 pounds per acre according to material.

The light weight of this machine makes it possible for it to be used on the most delicate turf. Can be used as a grass seeder if desired. Price, \$22.00 F. O. B., St. Paul.

**Iron King Steel Frame Seeder No. 4**

The Iron King Seeder No. 4 is constructed of steel throughout, has fewer parts and is less complicated than any other seeder. It is practically indestructive and will last an ordinary lifetime. The V-shaped shoe makes it possible to sow all seeds in an exact line and at uniform depth. An even stand of plants is thus assured. Consider how important an item when cultivating the crops. This seeder has a fifteen-inch front wheel and thirteen-inch rear wheel, each with two and one-half inch tires.



Price \$13.50

**Iron King Wire Weeder No. 11A**

Illustration shows wire weeder No. 11A attached to High Wheel Hoe. This is the best weeder of its kind on the market. It is so constructed that it will last a lifetime and not get out of shape as one with a wooden frame. This weeder is four feet long, has teeth  $\frac{1}{4}$  of an inch apart which are made of the best steel spring wire.

**Price \$7.80 as shown.  
Weeder only without wheel or handles. \$4.80.**

**Single Wheel Cultivator No. 42**

This Single Wheel Hoe with standard equipment of a set of hoes, three teeth and plow, enables its owner to care for all garden work after planting, without additional tools.

**Price \$6.75**

Garden Trowel

The Moe garden tools are made in one piece, from pressed steel, making them doubly durable.

Each 35c. Postpaid.



Transplanting Trowel

Each 35c. Postpaid.



Garden Weeder



Lang's Ideal Weeder

The Lang weeder is a labor saver. No gardener should be without one. Postpaid 25c.

**ANNIVERSARY SPECIAL  
All Four Above Garden Tools Postpaid \$1.00  
A Regular \$1.25 Value**



New Spring Steel Weeder

25c each: 35c postpaid.



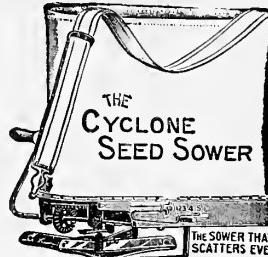
Asparagus Knife

Asparagus Knife.  
Each 40c, postpaid 45c each.

We are exclusive St. Paul distributors of the Bolen Tractor and Power Lawn Mower. Write us for prices.

**Cahoon Seeder**

A broadcast seeder that will last a lifetime. The bag and hopper will hold about 22 quarts. It will seed all kinds of grass seeds and grains, also turnip, rutabaga or rape seed. Price, each, \$5.00.

**Natural Raffia**

The best tying material for plants. Also used extensively in basket making in combination with Basketry, Reed or Rattan. Price: 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50. Postage extra.

**Neponset Waterproof Paper Flower Pots**

These pots are used in transplanting any kind of plants in the greenhouse and hotbeds, allowing them to become well rooted in the pot before setting in the open ground, thereby avoiding all setback from outdoor planting.

		Doz.	25	100	500	1,000	Weight Per 100
2 $\frac{1}{4}$	inch	\$ .15	\$ .25	\$ .75	\$ 2.50	\$ 4.50	1 lb.
2 $\frac{1}{2}$	inch	.15	.25	.75	2.75	5.05	1 $\frac{1}{2}$ lbs.
3	inch	.15	.25	.75	3.75	6.75	2 $\frac{1}{2}$ lbs.
3 $\frac{1}{2}$	inch	.20	.35	1.00	4.50	8.50	3 $\frac{1}{4}$ lbs.
4	inch	.20	.35	1.15	5.75	11.00	4 $\frac{1}{2}$ lbs.
5	inch	.25	.45	1.75	8.50	16.50	7 lbs.
6	inch	.35	.60	2.25	11.00	21.75	10 lbs.

*The above prices do not include postage***Grafting Wax**

This grafting wax has an even consistency which will give best results for sealing cuts or bruises in fruit and shade trees.  $\frac{1}{4}$  lb. 20c;  $\frac{1}{2}$  lb. 35c; 1 lb. 65c.

**Rubber Bands**

For bunching vegetables.  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.50. Postage Paid.

**Painted Tree Labels**

Inch	Mailing Weight	Doz.	25	100	1,000
3 $\frac{1}{2}$	copper wire. (3 $\frac{1}{2}$ lbs. per 1,000)	10c	20c	60c	\$3.50
3 $\frac{1}{2}$	iron wire (3 $\frac{1}{2}$ lbs. per 1,000)	10c	15c	50c	3.00

**Painted Pot Labels**

4 inch	Mailing Weight	Doz.	25	100	1,000
(3 $\frac{1}{2}$ lbs. per 1,000).....	10c	15c	45c	\$2.25	
4 $\frac{1}{2}$ inch (4 lbs. per 1,000).....	10c	15c	50c	2.50	
5 inch (4 $\frac{1}{2}$ lbs. per 1,000).....	10c	15c	50c	2.75	
6 inch (5 lbs. per 1,000).....	15c	25c	60c	3.25	

**Painted Garden Labels**

8 inch	Mailing Weight	Doz.	25	100	1,000
(2 lbs. per 100).....	25c	40c	\$1.50	\$10.75	
10 inch (2 $\frac{1}{2}$ lbs. per 100).....	30c	50c	1.75	13.00	
12 inch (3 $\frac{1}{2}$ lbs. per 100).....	40c	70c	2.00	16.00	

**Peerless Glazing Points**

In 3 sizes—1,000 to the box at 75c.

**WE CARRY A LARGE ASSORTMENT OF**

Garden and Lawn Hose, Lawn Mowers, Hose Nozzles and Connections, Hose Menders and Washers, Lawn Brooms and Rakes, and all Garden Tools.



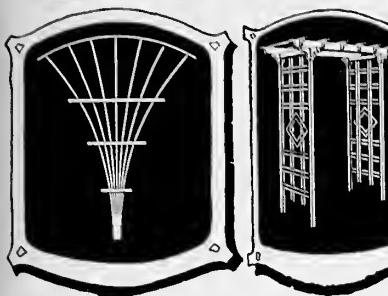
Gould's Seeds

R.L.GOULD & CO.  
SAINT PAUL

Are Reliable



55



Nos. 5, 6, 8, 10.

No. 78.

No. 53

## "ADJUSTO PLANT SUPPORTS"

A sturdy, hardwood stake seven-eighths inch square, 3, 4, 5 or 6 feet long, with a strong wire support instantly adjustable to any height

This wire loop encircles the plant

The "Adjusto" can be used successively, the entire season through, on Tomatoes, Peonies, Hydrangeas, Roses, Dahlias, Delphiniums, Chrysanthemums and every shrub or plant on the lawn or in the garden. Very inexpensive and will last a life-time.

3 ft., 30c each; doz., \$3.00  
4 ft., 35c each; doz., 3.50  
5 ft., 40c each; doz., 4.00  
6 ft., 45c each; doz., 4.50

Small sizes same as above, 18 and 24 inches, suitable for small potted plants, carnations, etc.

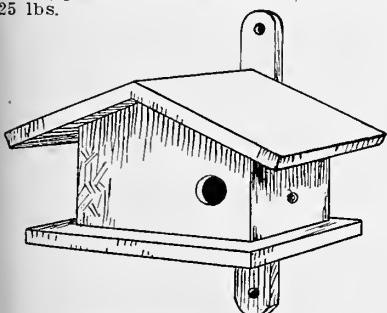
18 in., 10c each; doz., \$1.00  
24 in., 13c each; doz., 1.50

### Tree Protectors

Protect your fruit trees against the ravages of field mice and rabbits.

This protector is a very thin wood veneer, 20 inches long by 9 1/4 inches wide.

Are very simple and easy to put on. Per dozen 25c; shipping weight 3 lbs.; per 100 \$1.50; shipping weight 25 lbs.



Wren House.

### Rainbow Lawn Sprinklers

Guarantee attached to each sprinkler

The Rainbow Sprinkler is one of the very best lawn sprinklers made—guaranteed to give perfect satisfaction. Works from artesian well or tank pressure with ease. Throws a spray-like mist and rain combined over an area of from 40 to 50 feet, watering every inch of ground. Rainbow Sprinklers will last indefinitely without care. \$2.00. Postage extra. Mailing weight 3 lbs.

## TRELLISES

The most humble house can be made attractive and pretty by the use of trellises and growing vines. A small investment in vines and trellises will work wonders in beautifying your premises. The following adjustable and sectional trellises are offered at most reasonable prices:

### Adjustable Trellises—Made in 3 Sizes

No. 35—34 in. wide when folded; 30 in. wide if extended 8 ft.; 20 in. wide if extended 12 ft. Price, painted white, \$1.55. Mailing weight 9 lbs.

No. 47—46 in. wide when folded; 40 in. wide if extended 8 ft.; 30 in. wide if extended 14 ft. Price, painted white, \$2.10. Mailing weight 9 lbs.

No. 71—70 in. wide when folded; 63 in. wide if extended 8 ft.; 32 in. wide if extended 16 ft. Price, painted white, \$3.25. Mailing weight 17 lbs.

### Sectional Trellises—No. 53

This is an exceptionally fine trellis, well painted, and is made for those who want something better than the ordinary. Each section is 17 in. wide, and 94 inches tall, this being the proper height for any ordinary porch from floor to ceiling. By this means you can build your trellis as narrow or as wide as you want it by the use of 1, 2, 3, or as many sections as you desire to use.

Another feature of this arrangement is that you can build along round, or circular porches. \$2.00 a section.

### Sectional Trellis—No. 55

This trellis can be used in various ways, and makes a very neat trim. Well painted and ready to nail up to porch. If painted once every year or two it will last indefinitely. Price, \$1.10 per section.

### Ornamental Fan Trellis

A very neat lawn ornament, and at a very cheap price, made in three sizes, and shipped straight, that is, not spread out. However, proper nails for fastening cross-pieces are packed with each fan, and all pieces plainly marked, so it is only a matter of a very few moments to spread out and attach cross-pieces.

No. 5 Fan, 58 in. tall, spread, 30 in. Price \$1.10  
No. 6 Fan, 70 in. tall, spread, 45 in. Price 1.40  
No. 8 Fan, 94 in. tall, spread, 60 in. Price 1.70  
No. 10 Fan, 10 ft. tall. Price..... 3.00

### Pergola De Luxe—No. 78

The cut shows this piece perfectly. It is good enough for the millionaire and cheap enough in price for any one. 82 in. high, 58 ins. across top. Price with seats, well painted, \$15.90.

### Sectional Trellis—No. 148

This trellis is 34 ins. wide. Uprights in this trellis are set in edgewise, thus making it more rigid. Price, per section, \$3.00. All prices include white painting.

### Bird Houses

If you want to bring real pleasure to yourself and family, as well as joy and appreciation from the song birds, put out a bird house or two in your back yard. You will be richly repaid for your trouble. The birds each year will become a source of happiness and joy to you with their ever present and cheerful song. They fairly fill the air around you with good cheer. You will be surprised to observe how soon the birds will recognize a new home erected for their benefit.

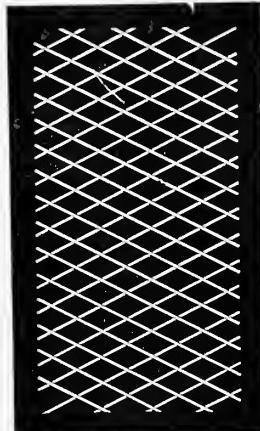
These bird houses are made of the best pine wood, and will if repainted every few years last a lifetime. Designed specially for R. L. Gould & Company.

Blue Bird House. (Shipping weight 3 lbs.)..... \$1.75

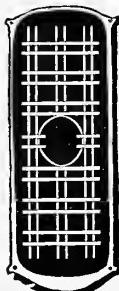
Wren House. (Shipping weight 3 lbs.)..... 1.65

Martin House. (Not mailable)..... 7.50

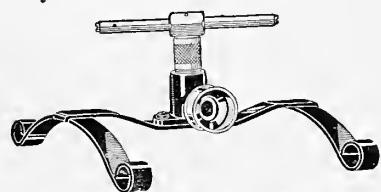
**Here in the Northwest, Song Birds Begin Arriving in March and Bird Houses Should be in Place Then Ready for the Birds.**

Nos. 35, 47, 71.  
Adjustable Trellises

No. 55.



No. 148.



Rainbow Brass Lawn Sprinkler



# SPRAYERS

## Hudson Perfection

For work of any kind requiring a high pressure compressed air sprayer, such as whitewashing, disinfecting, deodorizing, cold water painting, etc. Capacity 4 gallons, shipping weight 11 lbs.

**Galvanized Tank.**  
Each ..... \$6.00  
**Brass Tank.**  
Each ..... \$9.00

## Hudson Junior

The Hudson Junior Sprayer will do any work the larger model can, for it differs from it only in capacity. Holds about 2½ gallons. Shipping weight 8 pounds.

**Galvanized Tank.**  
Price Each \$4.50.  
**Brass Tank.** Price  
Each ..... \$7.00



Hudson Perfection



D. &amp; B. No. 4 Sprayer

## D. & B. No. 4 Sprayer

The No. 4 D. & B. Sprayer produces a very fine fog-like spray and will handle all liquid spray mixtures used in the garden, etc. Tank is made of galvanized steel. Automatic shut-off nozzle equipped with strainer which prevents clogging. Easy to operate. Capacity 2 gallons. Shipping weight 8 pounds. Price, \$4.50.

We carry a complete line of repair parts for Sprayers listed on this page, as well as for the Auto. Utility, and Dobbins Sprayers.

## Hudson Sunshine

(See cut below)

Two wheel sprayer. Slightly smaller than the Ideal. Has no pressure tank, but a pressure of 200 pounds can be kept with little effort. Price \$15.00 F. O. B. St. Paul.



Hudson Sunshine

## Hudson Ideal

The Ideal is a high pressure portable outfit. Exceptionally handy for the orchardist or fruit-grower. Is a practical outfit for whitewash, coldwater paints and other commercial purposes. Each \$37.50.



## The New Misty

For use in and around the house, yards, small garden, chicken house, etc. Made of heavy tin. Capacity one full quart. Price 45c, Postpaid 60c.



## The Crescent

Made of heavy charcoal tin, fitted with double discharge tubes. Capacity one quart. Each 60c. Postpaid 75c.

## Mohawk Bucket Pump

This is one of our popular sprayers for applying white wash, Carbola, or disinfecting poultry houses or barns. Made of brass, excepting handle and foot rest. Complete with 3 feet of ½ inch hose and special nozzle for spray or solid stream. Price \$4.75.

For Flies, Mosquitoes, Aphis, Moths, Roaches and Insects of all kinds, and for spraying nicotine and other insecticides on shrubs and plants in the garden this sprayer cannot be surpassed. It is in a class by itself.

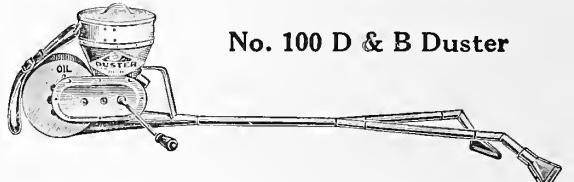
Works with compressed air. No complicated parts nothing to get out of order. Made of heavy galvanized steel. Capacity 3 quarts. Price \$3.50.

## No. 35 D. & B. Sprayer

# DRY POWDER DUSTERS

## The Champion Duster

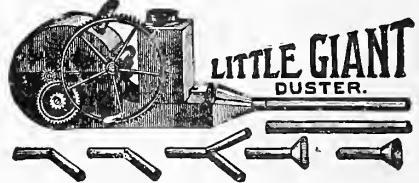
Has been the real champion of Dusters for many years in applying insecticides in dry powdered form. It will dust two rows at a time just as fast as the operator can walk. Best results are obtained with dry insecticide when applied early in the morning while there is dew on the plants. Price, each \$14.00.



No. 100 D &amp; B Duster

**Simple—Substantial—Effective.** The No. 100 D&B Duster is best suited for low-growing crops such as potatoe tomatoes, cabbage, berries, melons, tobacco, cotton, etc. It can also be used effectively on shrubs and small trees. Without doubt this is the most simple and easy operating duster of its kind on the market. Complete with attachments \$9.50. Parcel Post Weight 14 lbs.

## The Little Giant Insecticide Duster



This duster is the same type as the Champion but slightly smaller. Machine weighs 6 pounds furnished with three 16-inch tubes, five nozzles and strainer. Weight, case about 15 pounds.

Capacity about one quart. For low growing crops only. Will green one or two rows of potatoes, tomatoes, etc. as fast as you walk. Price, each \$11.00.

## Dry Powder Dusters For the Home Garden.

These are very practical dusters of various sizes for dusting powdered insecticides and fungicides. Price 50¢ \$1.00; \$2.75 each.



## POULTRY FEED AND SUPPLIES

**T**HIE various products listed under this heading have been added after convincing proof of their value in making for more scientific, cost reducing, and profitable raising of poultry. Selling Gould's Reliable Feeds, Darling's Meat Scraps, Pratt's Baby Chick Food, Blatchford's products, Pratt's, Lee's and Dr. Hess's remedies, and products of similar high repute is what has built up Gould's reputation for quality. We carry a large line of poultry feeds and supplies not listed in this book and we invite you to call or write us regarding any you may be interested in.

### Prices

See our Cackler and price list for prices on all feeds. These are corrected and issued about once a month so that our customers may be kept informed of prevailing market prices. All quotations are F. O. B. St. Paul. If goods are to be sent by parcel post, add postage to remittance.

### Gould's Reliable Scratch Feed

Good, wholesome grains of enough variety to meet the needs of the fowl in maintaining good health is very important. A fowl gets much more nourishment from a mixture of several grains, than from a feed containing only one or two kinds. This is a proven fact and is the difference between success and failure of many raisers of poultry. Gould's Scratch Feeds have the correct variety to insure full feeding value, for increasing the egg yield. Gould's Reliable Scratch Feed is composed of high grade wheat, cracked corn, milo maize, buckwheat, barley, oil cake and sunflower seed, thoroughly screened, and in proper proportion to be scientifically correct, for supplying all the needs of the fowls, in maintaining good health and vigor. See Cackler for prices.

### Gould's Reliable Egg Mash

Poultry Mash has been proven by scientific and practical poultry breeders to be the one feed that makes poultry raising profitable. Being so rich in protein, it increases the egg yield to the very limit, by the egg producing food material it contains. Scratch feed alone does not increase the egg yield. Our Reliable Egg Mash has the highest percentage of protein of any Mash on the market. Results are sure and surprisingly quick in making the hens lay. Contains high quality Meat and Fish Scraps, Bone Meal, Gluten Meal, Oil Meal, Corn Meal, Wheat middlings, Wheat Bran, Ground Oats, Cottonseed Meal, Alfalfa Meal, Dried Buttermilk, Salt and Mustard in proper proportion. GOULD'S RELIABLE MASH IS SOLD WITH OUR GUARANTEE TO PRODUCE RESULTS. See our Cackler and price list for prices.

### Gould's Growing Mash (With Buttermilk)

In raising chicks, most deaths are due to improper feeding. Grain feed fed alone is hard to digest. The chicks need a soft feed or mash nicely balanced and easy to digest. Strong and vigorous birds depend on good feeding. Gould's Growing Mash will save many a chick for you, and give you strong and healthier birds. Gould's Growing Mash contains pure dried Buttermilk, an aid to digestion, and preventive of the dreaded white diarrhea. Also contains cornmeal, middlings, bran, meat scraps, fish meal, gluten meal, bone meal, ground oats, and charcoal, all the food elements needed to build the frame of the growing chick, and for making good rich blood, flesh and feathers. Keep Gould's Growing Mash before the chicks all the time after the third day, and until the birds are 6 months old, when Gould's Reliable Mash should be substituted. See our Cackler for prices.

## Gould's Big Seven Poultry Feeds

A FEED FOR EVERY AGE AND NEED



### Red Ribbon Scratch Feed

Gould's Red Ribbon Scratch Feed is composed of the same high grade seeds and grains as contained in Reliable, but differs in the mixture, in that it has a smaller percentage of sunflower seed and contains no oil cake. Gould's Scratch Feeds can be fed in less amount than in most other scratch feeds, for it contains only the most wholesome grains, that give the greatest food value. Refer to Cackler for prices.

### Gould's Baby Chick Starter

The first few weeks are the most critical ones in the life of a chick. Certain feeds are hard to digest and do not agree with the delicate organs of the small chicks; and unless an easily digested food is given, sickly chicks are the result. Gould's Baby Chick Starter is a mixture of pure wholesome grains, screened to proper size, and containing a scientific mixture, easy to digest, that has all the different feeds needed to build up the chick and make rapid growth. Feed the Starter until chicks are about three weeks old, then change to a coarser mixture, Gould's Chick Feed. See Cackler for prices.

### Gould's Chick Feed

This Mixture to be fed when chicks are three weeks old and up to six weeks is also high in protein and similar to the Baby Chick Starter, differing only in that the grains are of a little larger size. Giving the chicks the feed in proper size is the best economy and prevents waste. A perfectly balanced feed to promote rapid growth and build good health. Prices are given in Cackler.

### Gould's Developing Feed

Gould's Developing Feed has a greater variety of grains than the Starter or Chick Feed, and is milled to a larger size. Feed from the time chicks are six weeks old to when Gould's Reliable Scratch Feed can be fed. Gould's Developing Feed does not contain any grit. Grit should, however, be accessible in a hopper at all times. Refer to Cackler and Price List for prices.

### Pratt's Buttermilk Baby Chick Food

This "baby food for baby chicks" is made of sweet, wholesome, purest ingredients. Every ounce is full of bone, muscle, feather and health builders. Chicks grow strong, vigorous, and sturdy, and are free from leg weakness and digestive troubles. Pratt's Buttermilk Baby Chick Food is used by successful poultrymen all over the world. Equally good for young turkeys, guineas, ducks, pheasants, etc. See Cackler for latest prices.

### Blatchford's Chick Mash

One of the very best as a first feed for the baby chick and as a developing food for the growing chicks. Is a complete milk equal feed, easily digested and guaranteed to prevent bowel trouble, leg weakness and the dreaded white diarrhea. Composed of the right combination of milk substitutes, meat and grains, forming a perfectly balanced ration, that produces at a low cost healthy and sturdy chicks. Refer to Cackler for prices.

### Blatchford's Pig Meal

Is a milk equal feed for little pigs, that will carry them over the critical weaning period, and start them right, in growing big, husky hogs at a bigger saving in cost, than by feeding dairy milk. See Cackler for prices.

### Blatchford's "Fill the Basket" Egg Mash

Supplies the surplus nourishment the hen needs for continuous egg production. Is every bit food, containing just the right combination of milk substitutes, meat and grains, carefully ground to the correct degree of coarseness necessary for complete and easy digestion. Prices quoted in our Cackler.

### Blatchford's Calf Meal

Is a complete milk substitute that will raise as good or better calves than if they had been allowed to run with the cows, at about one-third the price that milk can be sold at. One pound of Calf Meal will make one gallon of sweet, wholesome, and nutritious milk-equivalent that builds up fine calves with fat, sleek bodies in much less than the usual time. See our Cackler for prices.

### Darling's Meat Crisps

Is the highest grade meat feed that it is possible to produce. Is ground in two sizes, fine and medium. Three pounds of Meat Crisps contain about as much feeding value as 5 pounds of meat scraps. Has over 50 per cent more protein than ordinary meat scraps. Guaranteed analysis: Protein 75%; Fat  $\frac{1}{2}$  of 1%; Fibre 3%. Refer to Cackler for prices.

### Darling's Meat Scraps

Has long been recognized by poultry experts as being the best meat scraps on the market. Is made from clean, fresh trimmings of meat, thoroughly cooked, with water and grease extracted. Contains more protein, and less fat moisture and waste than any other brand of meat scraps. Is free from any offensive odor and remains sweet and clean as long as a grain feed, kept under similar condition. Guaranteed analysis: Protein 50%; Fat  $\frac{1}{2}$  of 1%; Fibre 3%. See Cackler for prices.

### Fish Meal

Is recognized by leading poultrymen to be superior to meat scraps as a poultry feed. Analysis: Protein 50%; Fibre 1.5%; Fat 10%. See Cackler and price list.

### Ground Bone

Furnishes the chick or grown fowl with the necessary element needed to produce bone and help build up the frame. Is made from fresh, clean bone, with the fat and moisture extracted. Should be before the birds at all times. Ground in three sizes—meal, chick, and medium. A very valuable feed during the growing and moulting period. 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

### Charcoal

Charcoal is one of the greatest disease preventives for poultry. It aids in digestion, purifies the blood and regulates the bowels and it is absolutely necessary that fowls, young and old, have access to it at all times. In three sizes—fine, medium or coarse. 25 lbs., \$1.00; 50 lbs., \$1.90; 100 lbs., \$3.50.

### Oyster Shell (Genuine Eastern Shore)

Contains carbonate of lime, of the same composition as egg-shell. As other feeds contain very little of this mineral matter, the hens need Oyster Shell at all times, to produce eggs. Our Eastern Shore Shell is the best and purest to be had, but has many imitators of inferior quality. Buy our genuine Eastern Shore Shell and notice the difference. 25 lbs., 45c; 50 lbs., 80c; 100 lbs., \$1.50.

### Mica Crystal Grit

Is a necessary aid in digestion for both small and large birds. Should be before the fowls in a hopper at all times. Contains mineral elements that are needed as a tonic, shell and yolk maker. Three sizes—chick, pigeon, and hen. 25 lbs., 40c; 50 lbs., 75c; 100 lbs., \$1.40.

### "Two in One" Poultry Grit

It not only furnishes the lime for the egg shell, but aids the digesting and assimilation of the food, which is so necessary in getting a maximum egg production. Price: 25 lbs., 35c; 50 lbs., 60c; 100 lbs., \$1.10.

### Foust's Pigeon Health Grit

Gives health, vim, and vigor to both young and old birds. Raisers have found it unequalled as a tonic and for fattening squabs. 25 lbs., 75c; 50 lbs., \$1.40; 100 lbs., \$2.75.

### Dried Buttermilk

Dried Buttermilk is pure fresh buttermilk with water only removed and nothing else added. Is best to feed it dry mixed in with the mash, adding from 5 to 10% to the mash. See Cackler for prices.

### Animal-Poultry Yeast Foam

Scientists have demonstrated the value of yeast for animals, its marked effect on the development of the vital organs of chickens. Gives the vim to the chicks to grow and hens to lay. The enzymes, in which it is extremely rich, assists the birds in digesting their food, especially the starches found in such large quantities in all poultry feeds. This predigestion makes it possible for hens to utilize larger quantities of food more efficiently. 4 lb. containers, postpaid \$1.00.

### Dog Biscuits

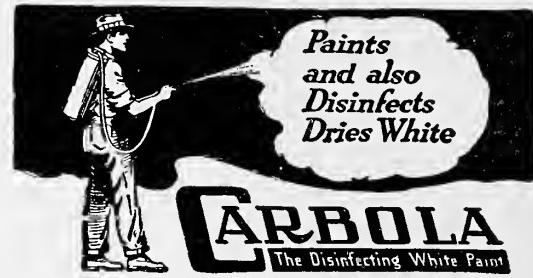
A perfectly balanced ration that will keep dogs healthy, vigorous and in good coat. Is made of clean, sweet meat, cereals and flour perfectly blended. Sold in 2 lb. cartons at 40c; 4 lbs. 70c; 25 lb. bags \$3.00.

### Egg-O-Hatch

Apply to eggs by dipping or spraying during the hatching period. Greatly strengthens the chick by directly supplying it with oxygen and absorbing the carbon dioxide given off. 55c postpaid.

### Standard Egg a Day

Contains the necessary bone, blood, and muscle building material. It revitalizes the cells from which eggs are produced. It is high in protein as well as health building minerals. Just what the overworked hen requires to carry her through the moulting season. 5 lb. carton 65c; 12 lb. carton \$1.25; 25 lb. pail \$2.50.



Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. One pound covers 100 sq. ft.

In the Chicken House, to paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

5 lb. package (postage extra) .....	\$0.75
10 lb. package (postage extra) .....	1.25
20 lbs. delivered .....	2.50
50 lbs. bag, delivered .....	5.00
25% Additional in Rocky Mountain States.	

### B-K (Bacili-Kil)

Bacili-Kil or commonly called B. K. is one of the most powerful germicide and disinfectants, being even more effective than pure carbolic acid and still non-poisonous.

We do not hesitate to recommend it for general use in the home, poultry house or barns. Trial size bottle, 35c; medium size, 65c; quart, \$1.25; 1 gal. \$3.00.

### Zenoleum

Is a disinfectant highly recommended by authorities. Kills lice, destroys mites, prevents white diarrhoea, cures roup and disinfects the coop. Zenoleum is a preventive of contagious diseases.

1 qt. cans (weigh 4 lbs. packed)..... \$0.75  
2 qt. cans (weigh 6 lbs. packed)..... 1.25  
1 gal. cans (weigh 12 lbs. packed)..... 2.00

### Sodium Fluoride

The U. S. Department of Agriculture highly recommends the use of Sodium Fluoride, a fine white powder, for freeing the fowls of lice. One application will entirely rid the birds of lice. One pound should treat about 125 birds. 1 lb. 50c.

### Stanfield's Lice-Kill

Kills body lice on chickens, head lice on chicks; also used for scaly leg. One of the best lice-killers; guaranteed to kill every louse on the fowl or money will be refunded.

Tube, for 200 fowls (postpaid), 60c.  
Two tubes (postpaid), \$1.00.

### Oculum

Every poultry raiser should have Oculum on hand, ready for use at all times. Is a cure and preventive for Cholera, Roup, White Diarrhoea, Sorehead and Gapes. Gives truly wonderful results. Bottles at \$1.00; and pint bottles \$1.75, postpaid.

### Standard Protexal Louse Powder and Disinfectant

This is especially recommended for lice on horses and cattle. Can be used winter or summer. 3 lbs. 75c; 7 lbs. \$1.50; 10 lbs. \$2.00, postage extra.

### Barnes Emulsion

The Barnes way is a reasonable, effective and sensible way of combating and remedying the worm evil in poultry and at the same time improve the general health and vitality of your flock. Barnes' Emulsion builds up the vitality of the fowl thereby increasing the fowl's resistance, not only to intestinal parasites but to other disease conditions as well. A fowl, or even a human being for that matter, in perfect health is almost immune to attacks of disease and parasites. Qt. size, \$1.00; Gallon, \$3.00 Postage extra.

A 32 page booklet entitled "Common Sense vs. Worms" may be had for the asking.



Gould's Seeds

R.L.GOULD & CO.  
SAINT PAUL

Are Reliable



## PRATT'S REMEDIES AND TONICS

## Pratt's Poultry Regulator

Builds up the vitality, digestion, and appetite, also increases the egg production. 25c, 50c, \$1.10. 12 lbs., \$1.40; 25 lbs., \$2.50.

## Pratt's Healing Ointment

Gives speedy relief and cure to sores, cuts, scratches, wounds, burns, scalds, barb-wire cuts, etc. 30c and 60c.

## Pratt's Head Lice Ointment

It will kill those blood sucking insects that weaken the chick so. Also good for Scaly Leg. Tube at 30c.

## Pratt's Poultry Disinfectant

For spraying chicken houses, roosts, dropping boards, etc. Is sure death to lice and mites. Qt., 55c; 2 qt. size, 90c; 1 gallon, \$1.50.

## Pratt's White Diarrhoea Tablets

Can be depended upon to protect young chicks from this disease. 50c and \$1.00.

## Pratt's Roup Tablets or Powder

Works quickly as a remedy against roup, colds, catarrh, etc. 25c, 50c and \$1.00.

## Pratt's Red Mite Special

Is guaranteed to kill those blood sucking pests. 1 qt., 55c; 2 qt. 90c; 1 gal. \$1.50.

## Pratt's Cow Tonic

4½ lb. package, \$1.00.

## Pratt's Special Compound

Guaranteed to cure cholera, sour crop, indigestion and bowel troubles in short order. 50c a package.

## Pratt's Scaly Leg Ointment

Will effect a complete cure in a few days. 25c and 50c.

## Pratt's Sorehead Chicken-Pox Prescription

Will clear up the chicken-pox sores and restore to health and vigor very quickly. 30c and 70c.

## Pratt's Lice Killer (Powder)

Kills all lice on fowls very quickly, also rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. 30c and 50c.

## Pratt's Bronchitis Remedy

Will relieve this sickness among poultry instantly; also prevents colds and simple catarrh. 25c and 50c.

## Pratt's Condition Tablets

For birds who are run down through colds and similar troubles. 25c and 50c.

## Pratt's Lice Salve

Is an ointment intended for use on almost or full grown birds. 25c and 50c.

## Pratt's Gape Compound

Expels quickly the worms that cause gape. Packages at 25c and 50c.

## Pratt's Poultry Worm Powder

2½ lbs., 50c.

## LEE'S PREPARATIONS

## Lee's Lice Powder

Is a destroyer of vermin. For the setting hen, dog, horse or cow, effects wonders, if they are infected with vermin. 25c and 50c.

## Lee's Lice Killer

In liquid form. Painted on the roosts, it kills insects with which it comes in contact, and the vapor kills lice on the bodies of the chickens as they roost at night. Qt. 60c; 2 qt. size, 90c; 1 gallon \$1.50.

## Lee's Egg Maker

Is a very nourishing feed for penned up poultry, for chicks of over ten days, and for pullets during the moulting season. 40c, 90c, and 12 lbs., \$2.00; 25 lbs., \$3.75.

## Lee's Poultry Wormer

Rid the worms from your chickens and keep them out. 12-ozs. for 24 fowls, \$1.00; 32-ozs. for 65 fowls, \$2.00.

## Lee's Germozone

One of the very best remedies for poultry affected with colds, cholera, roup, bowel trouble, sour crop, sore head, etc. Add Germozone to the drinking water, thereby killing the germs that cause disease.

4-oz., liquid .....	\$ .40	32-oz., liquid .....	\$1.50
12-oz., liquid .....	.75	Gallon, liquid .....	4.50
20 tablets (makes 4-oz. liquid) .....	.25		
75 tablets (makes 16-oz. liquid) .....	.65		
200 tablets (makes 42-oz. liquid) .....	1.25		

Tablet form can be mailed.

## Egg-O-Latum for Preserving Eggs

Is a preservative of eggs of the highest order, far superior to water glass, in preserving eggs. Egg-O-Latum is an ointment that is easy to apply to the eggs, and if eggs are fresh when Egg-O-Latum is applied, they will stay that way for a year if necessary. Eggs coated with Egg-O-Latum can be boiled, fried, poached or whipped the same as fresh eggs, in reality they are fresh eggs. Egg-O-Latum is colorless, odorless, tasteless and non-poisonous. 55c and \$1.10 jars postpaid.

## BURRELL-DUGGER CO'S PREPARATIONS

## Avicol

Stops chicks dying. For white diarrhoea in chicks, almost from the very moment you put Avicol in the drinking water, the sick chicks start to get well. Your loss of baby chicks CAN BE STOPPED—easily, quickly. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chicks withstand infection. Price, 50c; special large size (almost 3 times 50c size), \$1.

## Don Sung

A Mineral Compound that Scientifically Helps Nature. Don Sung is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive.

**Costs Nothing to Try**—Give Don Sung to 15 hens for 30 days. If it doesn't pay for itself and a good profit, your money will be promptly refunded. Prices: Trial size, 50c; large size, \$1; holds 3 times the 50c size.

## Trakol For Gapes in Chicks.

When gapes starts in your flock, get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation. Easily given in the drinking water. Guaranteed. Price 50c.

## Talcimized Sodium Fluoride for Lice

The U. S. Dept. of Agriculture says, "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is specially made for poultry. It is in a handy sifter-top can. Carries the Government's direction for use by the "dusting," "dip" and "pinch" method. Prices: small size (enough for 40 chickens), 35c; large size (twice as much), 60c; special size (five times the large size), \$2.50.



## RoupOver

TRADE-MARK

"The Over-Night Roup Remedy"

## For Roup, Colds and Canker

**A New Prompt and Positive Guarantee Treatment** Roup works fast. It usually begins with a cold. After that, the disease progresses rapidly. It is very contagious and can soon kill every chicken you own. Roup is one of the most serious of poultry diseases. Keep Roup-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Fully guaranteed. Price 50c; large size (three times 50c size) \$1.

## DR. HESS'S PREPARATIONS

## Dr. Hess Poultry Pan-a-cea

Acts as a corrective and tonic on the dormant egg organs as well as on the digestive organs. Contains internal antiseptics that counteract disease. 25c, 75c, and \$1.50; 25 lbs., \$3.00; 100 lbs., \$10.00.

## Dr. Hess White Diarrhoea Remedy

Is guaranteed to satisfy in the treatment of diarrhoea in either chicks or large fowl. 50c and \$1.00.

## Dr. Hess Dip and Disinfectant

A sure germ and parasite destroyer, good as a dip or for spraying. One gallon of dip makes from 70 to 100 gallons of effective solution. Pt. size at 40c; 1 qt. 65c; ½ gal. \$1.15; 1 gal. \$1.75.

## Dr. Hess Roup Cure

Will cure the most obstinate case. 50c and \$1.00.

## Dr. Hess Instant Louse Killer

Kills lice on poultry, horses and cattle, sheep ticks, bugs on cucumbers, squash and melon vines; cabbage worms; slugs on rose bushes, etc. 25c and 50c.

## Dr. Hess Fly Chaser

Will keep your stock contented and rid your barn of flies and mosquitoes. 2 qt. size 95c; 1 gal. \$1.50.

## Dr. Hess Stock Tonic

Makes ailing animals healthy,—the whole herd thrifty,—it expels worms. 4½ lbs., 50c; 10 lbs., \$1.25; 25 lbs., \$3.00.

### Round Baby Chick Feeders



Can be used for feed, water, or milk, keeps the feed or water clean and pure.

No. 0, with 6 feeding holes, 10c each; dozen, \$1.00.

No. 11, with 8 feeding holes, 15c each. Doz. \$1.75. (Each feeder weighs  $\frac{1}{4}$  lb.)

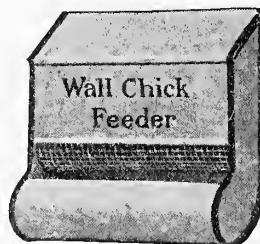
No. 12, with 12 feeding holes, 25c each or \$2.75 a dozen. (Each feeder weighs  $\frac{3}{4}$  lb.) Postage Extra.

### Round Jar Fountain

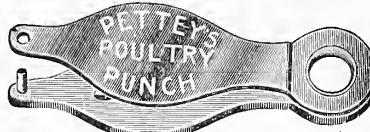
The Jar Fountain to be used with a Mason Jar. The pan is made of rust-proof metal. It is one of the most convenient, practical, low priced fountains made. 10c each; \$1.00 per doz.

### Wall Chick Feeders

Made of 28 gauge galvanized steel, absolutely rust-proof. The sloping top prevents the chicks from roosting on feeder and wire screen prevents them from wasting the feed.  
10 inches wide.....\$1.20  
Weighs 6 lbs.  
20 inches wide.....1.50  
Weighs 7 lbs.



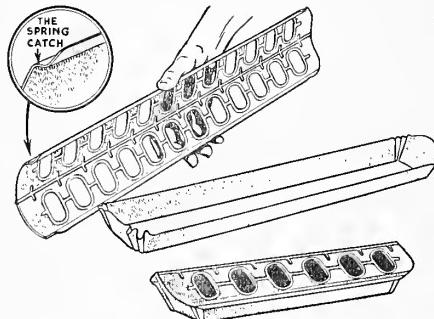
### Baby Chick Poultry Punches



For punching identification hole in web between the toes, punching a clean hole that will not bruise the foot.

Pettley's (shown above).....25c postpaid  
Pettley's Lever Punch.....50c postpaid  
Roger's Chick Punch.....45c postpaid  
Moe's Ideal Punch .....50c postpaid

### Spring Cover Trough

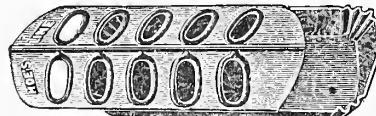


Is quickly closed by placing the cover over the trough and pressing down causing the spring cover to lock into place.

Galv. No. 14 is 11 in. long with 12 openings. 20c each.

Galv. No. 23 is 21 in. long with 24 openings. 30c each.

### Exclipse Feeding Trough



A popular priced trough, made of galvanized iron for feeding chicks and pullets. Sliding top makes them very convenient and easy

to fill and keep clean.  
No. 27, 10 inches long.....25c, postpaid 35c  
No. 28, 20 inches long.....40c, postpaid 60c  
Nos. 69 and 70 are aluminum instead of galvanized iron.  
No. 69, 10 inches long.....50c, postpaid 60c  
No. 70, 20 inches long.....90c, postpaid \$1.10

### Capital Shipping Coops

Capital Shipping Coops are built of strong but light dressed lumber. Thoroughly protects the fowls, while assuring them plenty of air. It is made extra high so that the heads and combs of the fowls are protected and arrive undamaged.

Number 1, 24x12 and 24 inches high, for single males, two females or small pairs. Each, \$1.10; 6 in a bundle, \$6.00.

Number 2, 24x20 and 24 inches high, for trios or four females. Each, \$1.50; 6 in a bundle, K. D., \$8.00.

### Improved Anderson Chick Box

Is the lightest, strongest and most attractive chick box on the market for shipping Baby chicks long distances safely. Is made of strong corrugated paper that will protect the chicks from getting chilled, also ventilated to prevent suffocation.

Dozen prices must apply on full dozens only.

Each	Dozen	
25 chick size. Weight, doz., 9 lbs.....	\$0.20	\$1.10
50 chick size. Weight, doz., 14 lbs.....	.30	1.50
100 chick size. Weight, doz., 24 lbs.....	.40	2.10
(100 chick size boxes by the dozen cannot be sent by parcel post. Single boxes can.)		

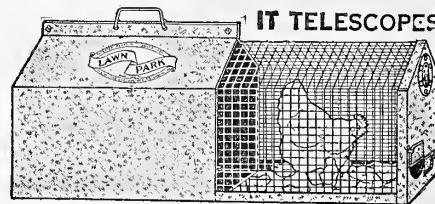
### Non-Parking Brood Coop

Here is the most practical coop, without a park, made. Has a new style sliding top through which coop can be cleaned or eggs gathered, and a special ventilator at the rear which provides plenty of fresh air without the least possibility of chilling the chicks. Is 19 inches high, 20 inches long and 17 inches wide. Each \$2.00.



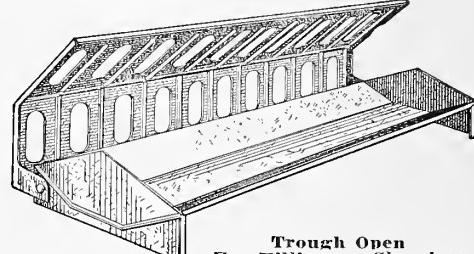
### IT TELESCOPES

### The "Lawn Park" Brood Coop



Made entirely of galvanized materials, and is as perfect and safe a coop as one would want. Protects chick against rats, cats, vermin, cold and bad weather. The park feature permits the chicks to have plenty of sunshine and fresh air, also to range on the grass. Coop is roomy, being 18 inches wide, 19 $\frac{1}{2}$  inches high and 4 inches long, with park extended. Price \$3.75.

### Hinged Cover Chick Trough



#### Trough Open For Filling or Cleaning.

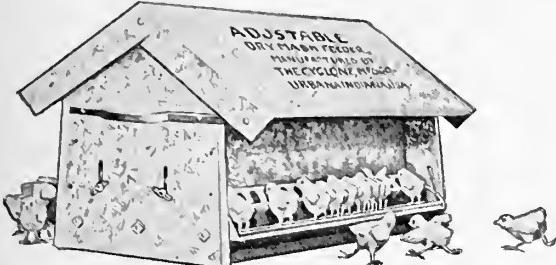
Because of the special hinged cover these troughs are economical, sanitary and convenient to fill, and as easy to clean as a china dish. The troughs are made with ten to twenty holes, through which the chicks feed, making it impossible for them to run over the feed, spill or pollute it in any way. These are excellent devices for feeding dry mash, hard grain, grit or water. Troughs are made of coated galvanized metal. Special ends hold the bottom of the troughs off the ground to insure longer life and avoid spilling of feed. No. 10, 10 inches, price 30c each (shipping weight 1 $\frac{1}{2}$  lbs.). No. 20, 20 inches price 45c each (shipping weight 2 lbs.).

### Oakes Round Chick Hopper

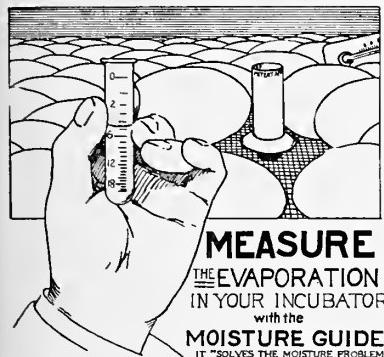
Made of galvanized steel. Has cone to keep feed from clogging. Trough is covered with lid which can be lowered at night, making hopper rat and mouse proof. A neat, practical and durable hopper. Height 14 inches diameter of hopper, 7 $\frac{1}{2}$  inches; diameter of pan, 12 inches. Shipping weight, 5 lbs. Price each \$1.75.

**Moe's Star Jar Fountain Base**

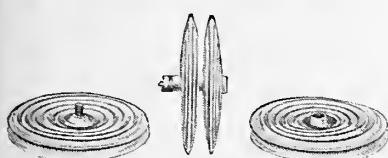
Made only in the one size. Can be used for feeding water, grain, grit, shell, etc. Made of a one piece non-rusting metal. Will fit any Mason Jar. Is convenient, cheap and sanitary, especially handy in the feeding or watering of baby or small chicks. Provides greater drinking surface than round fountains do, and is deservedly popular with raisers of small chicks. Sold only without the jar at 10c each. Dozen, \$1.00. Postage additional. Bases weigh  $\frac{1}{2}$  pound each.

**Adjustable Dry Mash Feeder**

May be adjusted to feed baby chicks, growing chicks or full grown fowls. No. 35 capacity 1 bushel, \$6.50 each.

**Incubator  
Moisture  
Guide**

Is not a Hygrometer, but it tells accurately when to add moisture or give more ventilation. With this guide in your egg tray you always have an authentic check on the evaporation taking place in the eggs day by day. Postpaid \$1.00.

**Reliable Brass Wafers for Thermostats**

Control of Incubators or Brooders. We have several styles on hand and we can obtain wafers to fit any incubator or brooder. State make of incubator or brooder when ordering. Postpaid 50c each.

**"Tycos" Incubator Thermometer**

Is the most accurate and reliable thermometer on the market. Incubators are useless without a reliable thermometer.

No. 5770 is made with metal legs and can be adjusted to almost any position desired. Each 90c.

No. 5774 is made to hang up or lay on top of eggs. Each 80c. Add 10c for postage and insurance.

**"Tycos" Brooder Thermometer**

Its magnifying lens makes its easy to read accurately. Each 60c. Add 10c for postage and insurance.

**"Tycos" Incubator Hygrometer**

Gives you an accurate record of the moisture in your incubator, preventing loss of chicks from improper moisture conditions. Each \$1.75. Add 10c for postage and insurance. Extra wicks 15c each.

**Little Putnam Stove**

The Little Putnam Stove is a marvel of simplicity and efficiency. The oil tank holds three pints and burns three to four weeks without refilling or any other attention. The wick never needs trimming.

The Little Putnam Stove is eight inches in diameter and four inches high. It is made of galvanized iron and brass. With any kind of fair usage it will last for many years, paying for itself over and over again each year. Each \$1.95, postpaid.

**Putnam Brooder Heater**

Is constructed on the principle of an open fireplace. The heat is radiated from above upon the backs of the chicks as with the mother hen. It is an oil heater which will burn one week at a filling. Postpaid \$4.75.

**Lectro-hatch Electric Incubators**

Lectro-hatch Incubators have made chick raising safe, easy and certain. Chicks hatched by electricity have the appearance of being a week old the day they're hatched. Even heat and fresh, pure air gives the chick every advantage for life, growth and development that Nature intended. Descriptive booklet sent on request.

65 egg size.....	\$23.50
150 egg size.....	38.00
300 egg size.....	67.00
600 egg size.....	118.00

When ordering Lectro-hatch Incubators or Brooders, state voltage of your electric current.

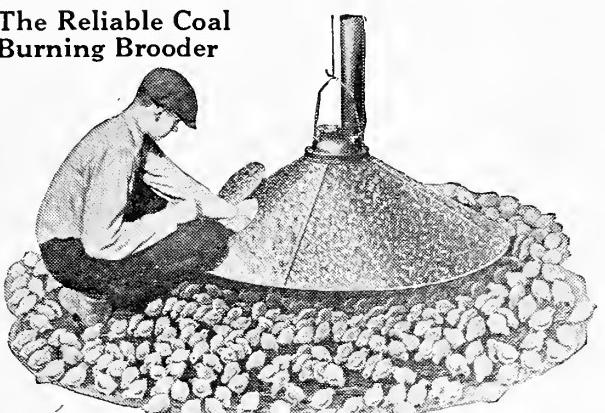
**Lectro-hatch Brooder**

Night or day the temperature in your brooder never varies. There are no ups or downs—no frozen or roasted chicks. Chicks breathe fresh, pure air all the time. Pure air, unchanging heat and no crowding will prevent a big part of your usual chick losses. Lectro-hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy, attractive, efficient, and durable.

150 chick size (28 inch diameter).....	\$18.00
500 chick size (40 inch diameter).....	23.50

**The Reliable Blue Flame Oil Hover**

Will save time, trouble and money. It is a revolution from the old type brooder. There is nothing to wear out or break. It has a one gallon self feeding glass oil jug which holds enough oil for from 24 to 36 hours. The canopy is 52 inches in diameter. Weight 45 lbs. Price \$19.00 each.

**The Reliable Coal  
Burning Brooder**

Is one of the most durably constructed brooders made. It is very popular with leading poultrymen everywhere. Operates easily and with precision. Has an automatic control of both the check and draft by the regulator wafer. The canopy is 52 inches in diameter and has a capacity for 1,000 day old chicks. Weighs 106 lbs. Price \$21.50, F. O. B. St. Paul.

**Oakes Sanitary  
Galv. Steel Nest**

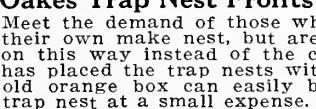
These Metal Nests are made to rest either on a shelf or other support or hang against a wall.

Each Compartment is 11 inches wide, 13 inches deep, and 12 $\frac{1}{2}$  inches high at the back. In 3

compartments only, at \$3.25.

**Oakes Trap Nest Fronts**

Meet the demand of those who desire to attach them to their own make nest, but are not as sanitary when put on this way instead of the complete iron Nest. But it has placed the trap nests within the reach of all, as an old orange box can easily be converted into a double trap nest at a small expense. Each 35c or \$3.50 a dozen.





### **Farmer's Friend Egg Crate**

Is one of the most popular and convenient carriers made for shipping eggs by Parcel Post or Express. Its solid wood walls protect eggs against breakage even in rough handling. Is light in weight, yet very durable. The Six Dozen Size Farmer's Friend Egg Carriers are most convenient for all car owners who drive to the farm for fresh eggs.



6 dozen capacity. Weight 5 lbs. Each.....	\$0.80
9 dozen capacity. Weight 7 lbs. Each.....	.90
12 dozen capacity. Weight 8 lbs. Each.....	1.00
15 dozen capacity. Weight 9 lbs. Each.....	1.10

### **Continental Folding Egg Carton**

Is the cheapest carton on the market yet its cushion-like construction makes it very safe for the protection of eggs against breaking.

1 dozen (weighs 3 lbs.).....	\$ .25
100 (weighs 22 lbs.).....	1.90
250 in carton.....	4.00
1,000 .....	15.00

### **Bullis Egg Cartons**

Are made light, yet safe for sending eggs by Parcel Post. The outside corrugated box and inside egg filler makes it doubly safe in shipping eggs. Cartons are sent to you folded, but can be put into shape in a second. Makes a strong and safe carton for sending domestic or hatching eggs.

Size	Each	Dozen	Case of	Each Carton Weighs
1 doz.	\$ .15	\$1.50	50—\$5.00	10 ounces
2 doz.	.20	2.25	25—4.00	18 ounces
3 doz.	.30	3.00	25—5.50	1½ pounds
4 doz.	.35	3.50	25—6.90	1¾ pounds
10 doz.	.65	7.00	10—5.60	4 pounds

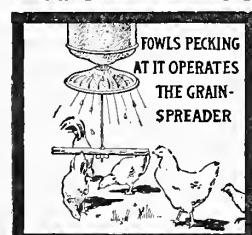
### **Grit and Shell Box**



Is a most necessary article in the labor and feed saving, it accomplishes for the poultry raiser. No poultry breeder should be without one of these well constructed feeders. Can be used as a hopper for little chicks.

Moe's No. 45—2 compartment (weighs 3 lbs.).....	\$ .40
Moe's No. 9—3 compartment (weighs 5 lbs.).....	.85
Moe's No. 90—4 compartment (weighs 6 lbs.).....	1.20
Gould's Reliable—4 compartment (weighs 7 lbs.)....	1.00

### **Feeder and Exerciser**



Is not only a labor saver in feeding, but gives the birds the needed exercise to keep them in a healthy condition, which means that you will get the maximum amount of eggs from them. Manufactured of heavy galvanized iron in two sizes. 8 qt. size \$1.00 postpaid. 16 qt. size \$1.25 postpaid.

### **Carter's Green Food Feeder**

Carter's Green Food Feeder keeps the green feed clean and wholesome while being fed. This gives you a sanitary feeder that prevents vegetables from becoming unfit for food as is the case often times when spread on the floor or ground. 50c each postpaid.

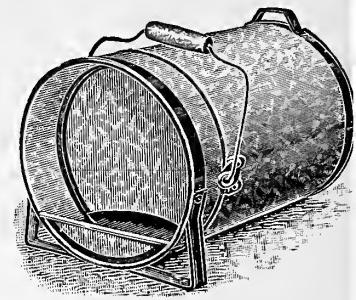
### **Opal Nest Eggs**

Stop hens from laying eggs on the floor. Are made of the best white flint and will last a long time. Each, 5c; set of 3, 10c; ½ dozen, 20c; dozen, 35c.



### **Beise Fountains**

Are one of the most popular makes that we sell, being favored by poultry raisers on account of the ease in which it can be filled, and serviceable makeup. Constructed of heavy galvanized iron in four sizes.  
3 quart size, 65c postpaid.  
2 gallon size, \$1.00 postpaid.  
3 gal. size.....\$1.25  
4 gal. size.....\$1.40  
(Above prices are postpaid.)



### **O-K Chicken Waterer With Heater**

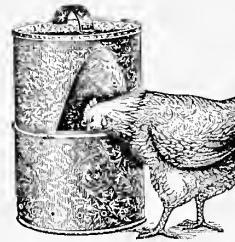
It not only keeps the water at the right temperature in winter, but fountain can be used without the heater in summer, to keep the water cool. Has drinking surface on all sides, which is a very important thing. You will find this a most satisfactory fountain that ought to last you for years.

2½ gallon size .....	\$3.75
(Parcel Post weight 15 lbs.)	
5 gallon size.....	\$4.50
(Too large for Parcel Post)	
10 gallon size.....	\$7.00

### **"Can't Freeze" Fountain and Heater**

Is especially adapted to withstand severe and extreme cold weather. Cold weather makes no difference to this justly popular fountain, for it can go for 72 hours if heated, in the most severe weather without attention. Is made of heavy galvanized steel, is rust-proof and will last for years.

2 gal. size.....	\$1.60
Shipping weight 4 lbs.	
3 gal. size.....	\$2.25
Shipping weight 6 lbs.	
4 gal. size.....	\$2.75
Shipping weight 9 lbs.	



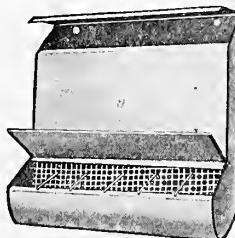
### **Top-Fill Fountain**



Made from heavy galvanized iron, that forms a double wall, keeping the water cool in summer, and retards freezing in winter. Very sanitary and easy to clean.

1 gallon size (weight 6 lbs.).....	\$1.75
2 gallon size (weight 7 lbs.).....	2.50
4 gallon size (weight 9 lbs.).....	3.00

### **Dry Mash Hopper**



With its latest improvement gives you a feeder that prevents any possibility of waste. Never gets clogged up, yet it can feed coarse as well as fine mash. Has lid that will keep the rats and mice out at night.

No. 35—8½ inches wide.....	\$1.60
Shipping weight 7 lbs.	
No. 36—12 inches wide.....	2.20
Shipping weight 9 lbs.	
(Hoppers below are too large for parcel post.)	
No. 37—24 inches wide.....	\$3.00
No. 13—18 inches wide.....	2.50
No. 15—36 inches wide.....	3.90

### **"Cymaco" Dry Mash Feeder**

The Cymaco feeder is made of the best galvanized steel. The Cymaco accommodates twice as many hens as the ordinary hopper feeder. Cymaco is provided with a catch tray which prevents waste of feed.

No. 24—Capacity 1 bu. (shipping wt. 17 lbs.).....	\$3.50
No. 12—½ bu. Capacity (shipping wt. 11 lbs.).....	2.20



**Capital Open Grit and Shell Box**

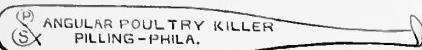
Is 12 inches long, 3 inches high, and 4 inches deep. Has three compartments made of heavy galvanized iron. Weight 2 lbs. Each, 40c.

**Capital Open Feed Trough**

Made of very heavy galvanized iron with seams thoroughly soldered, making it entirely waterproof. 23 inches long, 4½ inches wide, and 4 inches deep. Shipping weight 3 lbs. Each, 60c.

**Angular Killing Knife**

Severs the jugular vein and spinal cord in one operation, thereby bleeding the fowl which makes removal of feathers easy without the need of water. Each, 65c postpaid.

**Philadelphia Caponizing Set**

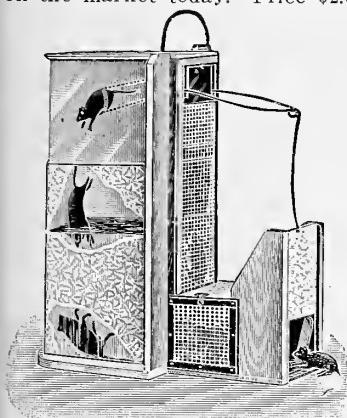
Has given satisfaction to its users for more than 50 years. Set is complete to the smallest detail and easy to handle. Book of instructions with each set. Price, \$3.00 postpaid.

**Standard Egg Tester**

Is made to fit any lamp. All eggs for hatching should be candled with one of these testers. The standard Egg Tester is the best on the market for this purpose. Galv. Each 50c. Postpaid.

**Schroeter Mole Trap**

The Schroeter Improved Mole Trap is designed particularly for trapping Ground Moles. This trap is held in an elevated position by a latch or trigger mechanism that is adapted to be tripped by a mole traveling through a furrow in the ground at a point where the trap is located. One of the very best and successful mole traps on the market today. Price \$2.00. Postpaid.

**Peerless Automatic Mouse Trap**

A wonder trap in ridding any place of mice in a sanitary, quick and effective way. A dozen mice will often find their way to a watery grave in one of these traps over night. It leaves no tell-tale smell, and fools them all.

Has no complicated parts to get out of order. Works like a clock, yet the method is simple and sure. Price postpaid \$3.00.

**LEG BANDS**

**Please Note.** When ordering be sure to state the color desired, also for what breed of birds wanted to avoid a mistake in the size. Include postage for parcel post charges. We will refund if amount sent is more than carrying charges.

**Spiral Leg Bands**

The spiral bands we offer are made of highest quality celluloid, and fast colors. Are the most popular band, being cheap, easy to put on and can be used over and over again. Colors are White, Blue, Green, Yellow, Red, Pink, Light Blue, Cerise, Purple, and Black.

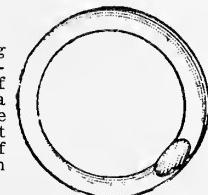
Size	Doz.	25	50	100	500	1,000
Asiatic		.20c	.35c	.50c	.80c	\$3.50
American						\$6.75

Size	Doz.	25	50	100	500	1,000
American or Mediterranean		.15c	.25c	.45c	.75c	3.00
Bantam, Pigeon, or Chick		.10c	.20c	.35c	.50c	1.75

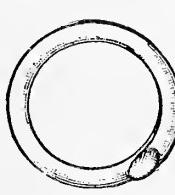
**Leader Adjustable Leg Bands**

Made of aluminum, come in two sizes that can be adjusted to meet the size of any bird. Are numbered.

1 doz. 20c; 25, 35c; 50, 50c; 100, 80c; 250, \$1.85; 500, \$3.50; 1,000, \$6.75.



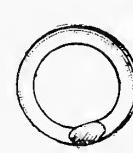
Asiatic.



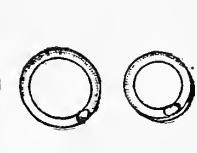
American.



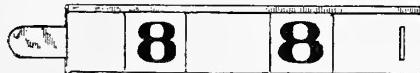
Medit.



Bantam.



Pigeon. Chick.

**Economy Colored Poultry and Pigeon Band****The Best Band For Exhibition Purposes.**

On account of the large numbers on the colored celluloid facing, can be easily seen. Bands are made of aluminum and form a very secure and permanent fastening. Sizes 0 and 1 for pigeons; number 3 for Mediterranean; number 4 for American breeds; and number 5 for Asiatics in the following colors: Red, Blue, Pink, White, Yellow, Green and Purple.

Sizes 0 and 1 for Pigeons: 5, 10c; 10, 20c; 25, 40c; 50, 65c; 100, \$1.25. Size 3 for Mediterranean; size 4 for American breeds; size 5 for Asiatic; 5, 15c; 10, 25c; 25, 60c; 50, \$1.10; 100, \$2.00.

**BIRD SEED****Remedies and Bird Feeds**

In the quality and kind of seed you give your bird depends his health and song, and it is of the greatest importance to get good seed. More birds loose their song from the wrong kind of food or poor seed than from any other cause. Buy good seed and you will continue to have a happy singing bird. The seed we offer is carefully selected and of the highest quality. In our special bird seed mixture we include no hemp, as hemp may cause the birds to loose their song. It is not a good food to feed regularly, and many professional bird raisers never feed hemp. The seed, feeds, and remedies we offer below are of the best grade and quality; moderately priced. We shall be pleased to quote you in larger amounts than those we have listed.

**Bird Seed**

	1 lb.	5 lbs.	10 lbs.
Bird Seed, Gould's Mixture	\$ .15	\$ .60	\$ 1.15
Canary	.15	.65	1.25
Hemp	.15	.65	1.25
Millet	.10	.35	.70
Rape	.15	.65	1.25
Sunflower	.15	.60	.95
Lettuce Seed	.50		
Poppy Seed	.25	1.15	2.00
Bird Gravel (bulk)	.05	.25	.50
Cuttle Bone	Oz. 10c; ¼ lb. 30c		

**Bird Remedies and Feeds**

Pkg.	Pkg.
Bird Gravel	\$ .15
Bird Manna	.15
Bird Pie	.15
Bird Bitters	.25
Bird Tonic	.25
Hemp & Peppers	.10

**Fish Food**

For goldfish or other fancy fish kept in artificial surroundings.

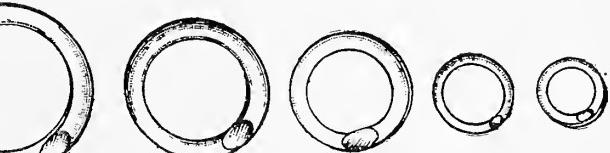
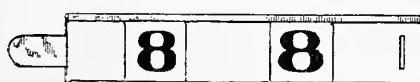
Natural Fish Food, tin	\$ .15
Flake Fish Food, package	.10
Wafer Fish Food, package	.15

**SERGEANT'S DOG MEDICINES**

Have been on the market for half a century. Dog owners can rely upon Sergeant's Dog Medicines at all times, to be safe and effective in the scientific treatment of all canine ills. The following are a few of the most important ones which we stock at all times.

Arsenic and Iron	\$ .60	Flea Skip Soap	\$ .25
Condition Pills	.60	Mange Remedy	.65
Constipation	.60	Pepsin Tablets	.60
Distemper	1.20	Sure Shot Capsules	.60
Eye Wash	.60	Tape Worm	.60

Polk Millers 50 page Dog Book free with an order.

**Spiral Bands—Exact Sizes****Economy Colored Poultry and Pigeon Band****The Best Band For Exhibition Purposes.**

On account of the large numbers on the colored celluloid facing, can be easily seen. Bands are made of aluminum and form a very secure and permanent fastening. Sizes 0 and 1 for pigeons; number 3 for Mediterranean; number 4 for American breeds; and number 5 for Asiatics in the following colors: Red, Blue, Pink, White, Yellow, Green and Purple.

Sizes 0 and 1 for Pigeons: 5, 10c; 10, 20c; 25, 40c; 50, 65c; 100, \$1.25. Size 3 for Mediterranean; size 4 for American breeds; size 5 for Asiatic; 5, 15c; 10, 25c; 25, 60c; 50, \$1.10; 100, \$2.00.

# INDEX

## VEGETABLE SEEDS

Asparagus .....	2	Chinese Cabbage .....	8	Kohl Rabi .....	12	Onion Sets .....	17	Spinach .....	2
Beans .....	3-4-5	Chives .....	9	Leek .....	12	Parsley .....	17	Squash .....	2
Beets .....	5-6	Corn, Sweet .....	10-11	Lettuce .....	13	Parsnip .....	17	Summer Beets .....	2
Brussels Sprouts .....	6	Cress .....	9	Mangel Wurzel .....	6	Peas .....	17-18-19	Summer Savory .....	2
Cabbage .....	7-8	Cucumber .....	11-12	Mushroom Spawn .....	14	Pepper .....	19	Sweet Corn .....	10-1
Caraway .....	25	Dill .....	25	Musk Melon .....	14	Potatoes .....	20	Swiss Chard .....	1
Carrots .....	8-9	Egg Plant .....	12	Mustard .....	15	Pumpkins .....	21	Thyme .....	2
Catnip or Catmint .....	25	Endive .....	12	Okra .....	15	Radish .....	21-22	Tomato .....	24-2
Cauliflower .....	9	Herbs .....	25	Onions .....	15-16	Rutabaga .....	22	Turnip .....	2
Celeriac .....	10	Kale .....	12	Onion Plants .....	17	Sage .....	25	Water Cress .....	1
Celery .....	10					Salsify .....	22	Water Melon .....	1

## FLOWER SEEDS, BULBS, PERENNIAL PLANTS

Achillea .....	36-39	Celosia Chrysanthem- flora .....	29	Feathered Cocks-comb .....	29	Linum .....	31	Pyrethrum Hybridum .....	38-3
Acroclinium .....	27	Celosia Cristata .....	29	Feverfew .....	31	Linum, Perenne .....	37	Quacking Grass .....	2
Ageratum .....	27	Celosia Plumosa .....	29	Forget-me-not .....	38	Love in the Mist .....	32	Red Hot Poker .....	3
Agrostemma .....	36	Centurea Cyanus .....	29	Four O'Clock .....	38	Lunaria .....	38	Rhodanthe .....	3
Alum Root .....	37	Centurea Imperialis .....	29	Foxglove .....	37-39	Lupine .....	38	Ricinus .....	3
Alyssum, Saxatile .....	36	Chinese Lantern Plant .....	38-39	Gaillardia .....	30-37-39	Lupinus .....	31	Rose Campion .....	3
Alyssum, Sweet .....	27	Chinese Wool Flower .....	28	Giant White Daisy .....	39	Lychnis .....	38-39	Rose of Heaven .....	3
Amaranthus .....	28	Chrysanthemum .....	29	Gladioli .....	40	Lythrum .....	38	Roseum Superbum .....	3
Ammobium .....	28	Flowered Celosia .....	29	Globe Amaranth .....	30	Mallow .....	39	Salpiglossis .....	3
Anchusa .....	28-36	Clarkia .....	29	Godetia .....	30	Maltese Cross .....	39	Salvia .....	3
Anthemis, Tinctoria .....	36	Cobea Scandens .....	29	Comphrena .....	30	Marigold .....	31	Satin Flower .....	3
Antirrhinum .....	28	Cockscomb .....	29	Gourds .....	30	Marvel of Peru .....	31	Scabios .....	35-38-3
Aquilegia .....	36-39	Columbine .....	36	Grass, Lawn .....	65	Nasturtium .....	32	Scarlet Runner Bean .....	2
Arctotis .....	28	Coreopsis Lanceolata .....	37	Hardy Larkspur .....	37	Nemesia .....	32	Scarlet Sage .....	3
Asters .....	27-39	Delphinium .....	36-39	Hardy Marguerite .....	36	Nicotiana Affinis .....	32	Schizanthus .....	3
Baby's Breath .....	30-37-39	Cosmidium .....	29	Hardy Sweet Pea .....	37	Sea Lavender .....	38-3	Shasta Daisy .....	37-3
Bachelor's Button .....	28	Cosmos .....	29	Helenium Autumnale .....	37	Myosotis .....	38	Snadragon .....	2
Balsam .....	28	Crimson Flax .....	31	Helianthus .....	31-38	Nasturtium .....	32	Snow on the Moun-tain .....	3
Bearded Tongue .....	38	Cypress Vine .....	30	Heichrysum .....	31	Nemisia .....	32	Star Phlox .....	3
Bellis .....	36	Dahlia (Bulbs) .....	41-42	Heuchera .....	37	Nicotiana .....	32	Statice .....	38-3
Black Eyed Susan .....	35	Dahlia (Seed) .....	30	Hollyhocks .....	31-37	Oriental Poppy .....	38-39	Stocks .....	3
Blanket Flower .....	30-37-39	Daisy .....	36-37	Honesty .....	37-38	Summer Cypress .....	3	Straw Flower .....	3
Bleeding Heart .....	39	Didiscus .....	30	Humulus Japonicus .....	31	OX-Eyed Daisy .....	37	Sweet Pea .....	3
Blue Eyed African Daisy .....	28	Dianthus .....	30-39	Iceland Poppy .....	38-39	Painted Tongue .....	35	Sweet Sultan .....	2
Boltonia .....	36	Dianthus Barbatus .....	38-39	Iris .....	43	Pansies .....	32	Sweet William .....	35-38-3
Brachycome .....	28	Didiscus .....	30	Japanease Bell Flow-er .....	38	Pentstemon .....	38	Thunbergia .....	3
Bridal Veil .....	30	Dielytra .....	39	Japanease Hop .....	31	Peonies .....	42	Tritoma .....	3
Briza .....	28	Digitalis .....	37-39	Job's Tears .....	29	Perennial Plants .....	39	Tuberose, Fl. Tob. ....	3
Browallia .....	28	Dimorphotheca A .....	30	Kochia .....	31	Petunia .....	33	Verbena .....	2
Bush Eschscholtzia .....	31	Dolichos .....	30	Lace Flower .....	30-31	Phlox, Drummondii .....	33	Veronica, Speedwell .....	3
Calendula .....	28	Double White Yar-row .....	36	Lady Slipper .....	28	Physalis Franchetti .....	38-39	Wallflower .....	3
California Poppy .....	30	Echinocystis .....	30	Lantana .....	31	Physostegia .....	38	Wild Cucumber Vine .....	3
Calliopsis .....	28	English Daisy .....	36	Larkspur .....	31-37	Pinks .....	30-39	Xeranthemum .....	3
Campanula .....	36	Festuca .....	30	Lathyrus .....	37	Platycodon .....	38	Zinnia .....	3
Canary Bird Vine .....	28	False Chamomile .....	36	Lavendula .....	37	Poppies .....	33-38-39		
Candytuft .....	28					Portulaca .....	33		
Cannas .....	28-43					Pyrethrum Aureum .....	33		
Canterbury Bells .....	36								
Cape Forget-me-not .....	28								
Carnation .....	28								
Castor Oil Bean .....	35								
Cathedral Bells .....	29								
Celosia Childsii .....	28								

## FIELD SEEDS

Alfalfa .....	44	Corn .....	46	Millet .....	49	Rye .....	49	Sunflower .....	4
Barley .....	47	Field Beans .....	5	Oats .....	48	Sorghum .....	45	Timothy .....	4
Bromus Inermis .....	45	Flax .....	49	Peas .....	48	Soy Beans .....	48	Vetch .....	4
Buckwheat .....	49	Fodder Corn .....	46	Pop Corn .....	47	Speltz .....	49	Wheat .....	4
Clover Seed .....	44-45	Grasses .....	45	Rape .....	49	Sudan Grass .....	45		

## POULTRY FEEDS, REMEDIES AND SUPPLIES

Avicol .....	59	Fish Meal .....	58	Killing Knives .....	63	Poultry Feeds .....	57-5
Baby Chick Food .....	57	Fountain .....	60-62	Lee's Remedies .....	59	Pratt's Remedies .....	5
Bacilli-Kil (B-K) .....	58	Germozone .....	59	Leg Bands .....	63	Remedies .....	5
Barnes Emulsion .....	58	Green Food Feeder .....	62	Lice Killer .....	58-59	Roup-Over .....	5
Blatchford's Feeds .....	57	Grit .....	58	Mash Feeders .....	60-61-62	Scratch Feeds .....	5
Bone, Ground .....	58	Grit & Shell Box .....	62-63	Growing Feed .....	57	Shell Boxes .....	62-6
Brood Coops .....	60	Drinking Fountains .....	60-62	Growing Mash .....	57	Shipping Coops .....	6
Brooders .....	61	Egg Carriers .....	62	Heaters .....	61	Sodium Fluoride .....	58-5
Brooder Heater .....	61	Egg Cartons .....	62	Hess' Remedies .....	59	Thermometers .....	6
Brooder Thermometer .....	61	Egg Mash .....	57	Hover, Brooder .....	61	Thermostat Wafers .....	6
Burrell-Dugger .....	59	Egg-A-Day .....	58	Hygrometer .....	61	Trakol .....	5
Calf Meal .....	57	Egg-O-Hatch .....	58	Incubators .....	61	Trap Nest Fronts .....	6
Caponizing Sets .....	63	Egg-O-Latum .....	59	Incubator Moisture Guide .....	61	Troughs .....	60-6
Carbola .....	58	Egg Tester .....	63	Incubator Thermometer .....	61	Yeast Foam .....	5
Charcoal .....	58	Feeder & Exerciser .....	62	Insecticides .....	50-51	Zenoleum .....	5
Chick Box, Shipping .....	60	Feeders .....	60	Labels .....	54		
Chick Feed .....	57			Lawn Sprinklers .....	55		
All Around Spray .....	50			Lime Sulphur .....	50		
Arsenate of Lead .....	50			Mouse Trap .....	63		
Asparagus Knife .....	54			Nico Fume .....	50-51		
Bait M .....	50			Nicotine Sulphate .....	50		
Bird Houses .....	55			Nitragrin .....	44		
Bird Remedies .....	63			Nitrophoska .....	51		
Bird Seed .....	63			Paper Pots .....	54		
Black Flag .....	50			Paris Green .....	51		
Black Leaf "40" .....	50			Plant Food .....	52		
Black Leaf Dust .....	50			Plant Life .....	52		
Blue Stone .....	50			Plant Supports .....	55		
Blue Vitriol .....	50			Planet Jr. Tools .....	53		
Bordeaux .....	50			Pyrox .....	51		
Carbola .....	58			Raffla .....	54		
Copper Sulphate .....	50			Rubber Bands .....	54		
Coppercarb .....	50			Scalecide .....	51		
Corrosive Sublimate .....	50			Seed Drills .....	53		

## MISCELLANEOUS

Cultivators .....	53-54	Garden Tools .....	53-54	Nico Fume .....	50-51	Semesan .....	5
Cyanogas .....	50	Garden Trowels .....	54	Nicotine Sulphate .....	50	Slug Shot .....	5
Dog Biscuits .....	58	Glaxing Points .....	54	Nitragrin .....	44	Soiltex .....	4
Dog Remedies .....	63	Gopher Poison .....	50	Nitrophoska .....	51	Sprayers .....	5
Dusters, Dry Powder .....	56	Grafting Wax .....	54	Paper Pots .....	54	Stim-U-Plant .....	5
Egg Preservative .....	59	Grape Dust .....	50	Paris Green .....	51	Sulfocide .....	5
Evergreen .....	50	Harrow .....	53	Plant Food .....	52	Slipper .....	5
Fertilizers .....	51-52	Hellebore .....	50	Plant Life .....	52	Tobacco Dust .....	5
Fertilizer Distributor .....	53	Hoes .....	53	Plant Supports .....	55	Tobacco Soap .....	5
Floridanid .....	51	Insecticides .....	50-51	Planet Jr. Tools .....	53	Tree Protectors .....	5
Flower Pots .....	54	Labels .....	54	Pyrox .....	51	Tree Tangiefoot .....	5
Formaldehyde .....	50	Lawn Sprinklers .....	55	Raffla .....	54	Trellises .....	5
"43" For the Tree .....	51	Lime Sulphur .....	50	Rubber Bands .....	54	Two-Way Spray .....	5
Fungicides .....	50-51	Labels .....	54	Scalecide .....	51	Volck .....	5
		Lawn Sprinklers .....	55	Seed Drills .....	53	Weeders .....	5

# LAWN GRASS SEED

Analyzed as to purity and tested as to germination for your protection



*A Fine Lawn is more than an ornament to a home. Fine Lawns reflect the character of the owner and create an atmosphere of refinement*

## Gould's Reliable Lawn Grass Seed

The most important thing to consider in selecting seed for lawn grass is to obtain a proper mixture of several varieties. Each variety has its season, so by choosing early, medium and late grasses, a smooth, even, green lawn is assured from early spring to late autumn. A given area can support only so many grass plants of one kind for they all absorb the same sort of food, but if several varieties are sown, the same area will support many more plants, as different sorts live on various elements in the soil. This will give a much thicker and more luxuriant turf all over the lawn.

Gould's Reliable Lawn Grass Seed is the result of our many years experience in the mixing of different grass seeds scientifically in the right proportion for a quick and permanent lawn. The Kentucky Blue Grass, which is the foundation of this mixture, is a very slow grower, and if sown alone would give very little results the first two months. We have therefore blended with it grasses of a quick growing nature to produce a green lawn in from two to four weeks. Also to take the place of a nurse crop, for the slow growing varieties, shading and sheltering their delicate sprouts as they appear above the ground.

From early spring until late in the fall, lawns sown with Gould's Reliable Lawn Seed remain green and fresh because the mixture is scientifically correct, and seed of Highest Quality. Gould's lawn seed is equally valuable for quickly renewing old, worn-out areas.

½ lb. ....	25c	5 lbs. ....	\$2.00	25 lbs. ....	\$ 9.25
1 lb. ....	45c	10 lbs. ....	\$4.00	100 lbs. ....	\$35.00

*Above prices are not postpaid.*

**FOR BEST RESULTS APPLY GRASS SEED AS EARLY IN THE SPRING AS POSSIBLE**

## FINE LAWNS

A fine lawn depends on several essential things. Just what, How to build a new Lawn, How to revive a run-down one, and What to do to keep them green continually, is thoroughly explained in our special leaflet. A copy of this booklet will be sent to anyone on request.

## Gould's Shady Lawn Mixture

There are, as a rule, some spots on every lawn that are shaded during the greater part of the day, where the ordinary lawn grasses will not do well and create an eyesore in an otherwise perfect lawn. In such cases we recommend using a generous amount of Hydrated Lime, or Pulverized Lime Stone, and sowing with Gould's Shady Lawn Mixture.

A smooth velvety lawn surrounding a house adds not only to the value, but enhances the enjoyment of every home. When properly made, a lawn is one of the best investments a home owner can make.

½ lb. ....	30c	5 lbs. ....	\$2.25	25 lbs. ....	\$10.50
1 lb. ....	50c	10 lbs. ....	\$4.50	100 lbs. ....	\$40.00

## Gould's Terrace Mixture

A variety of deep rooted grasses that will form a quick heavy matting of roots. The tops should not be mowed too soon or too often in order to give the roots a chance to develop quickly to prevent washing out.

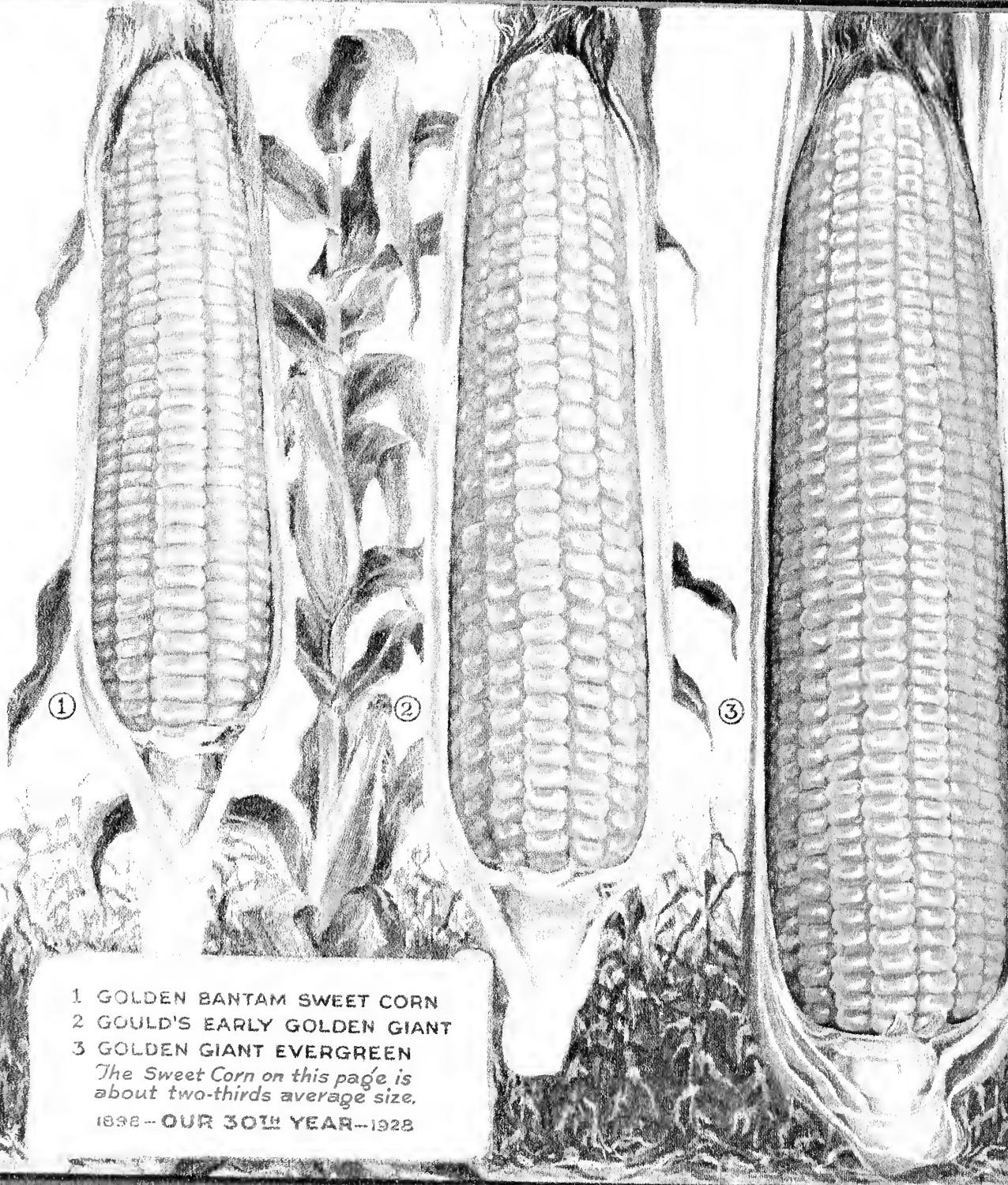
½ lb. ....	30c	5 lbs. ....	\$2.25	25 lbs. ....	\$10.50
1 lb. ....	50c	10 lbs. ....	\$4.50	100 lbs. ....	\$40.00

## N. K. & Co's Sterling Lawn Grass

We have handled the Sterling Lawn Grass Seed for many years and have had very gratifying comments upon its high quality. It is suitable for making new lawns, and for the renewal of old, worn-out areas.

½ lb. ....	25c	5 lbs. ....	\$2.00	25 lbs. ....	\$ 9.25
1 lb. ....	45c	10 lbs. ....	\$4.00	100 lbs. ....	\$35.00

# Gould's Reliable Seed



- 1 GOLDEN BANTAM SWEET CORN
- 2 GOULD'S EARLY GOLDEN GIANT
- 3 GOLDEN GIANT EVERGREEN

*The Sweet Corn on this page is  
about two-thirds average size.*

1898—OUR 30<sup>TH</sup> YEAR—1928

**R.L.Gould & Company**

SAINT PAUL  
MINNESOTA